

Digital Audio Processing

for D950

- 1. Control System**
- 2. DSP Core**
- 3. PE / PEAES Board**
- 4. MADI / MEMNET Board**
- 5. DI9m Frames**
- 6. DI9m Input Interface Cards**
- 7. DI9m Output Interface Cards**
- 8. DI9m Connection Units**

Prepared and edited by
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Subject to change

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1.940.540.23	D19m SFC Board	6
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1.940.551.00	Back Plane MkII	5
1.940.557.00	D19m Sync Receiver	5
1.940.558.00	Optical/Coax Interface	5
1.940.560.21	D19m C4 AD Board	6
1.940.561.21	D19m C4 AD NS Board	6
1.940.570.21	D19m C4 DA Board 24 Bit	7
1.940.571.21	D19m DA Board 24 Bit	7
1.940.575.22	D19m MicLine Input Board	6
1.940.576.22	Processor Board	6
1.940.577.00	RS422 to Optical Converter	7
1.940.579.00	RS422 to Optical Converter	7
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1.940.585.22	D19m AESO Board	7
1.940.589.00	Supply Status Board	5
1.940.592.00	D19m Rack Bus 5/15	5
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1.940.596.81	Fan Regulation	5
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Assembly No.	Assembly	Section
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1.940.635.00	Connection Board 2xD15f 8xAESI-Card	8
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1.950.616.20	MADI Board 96k	4
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CONTENTS OF DIAGRAM SECTIONS, ALPHABETICAL ORDER

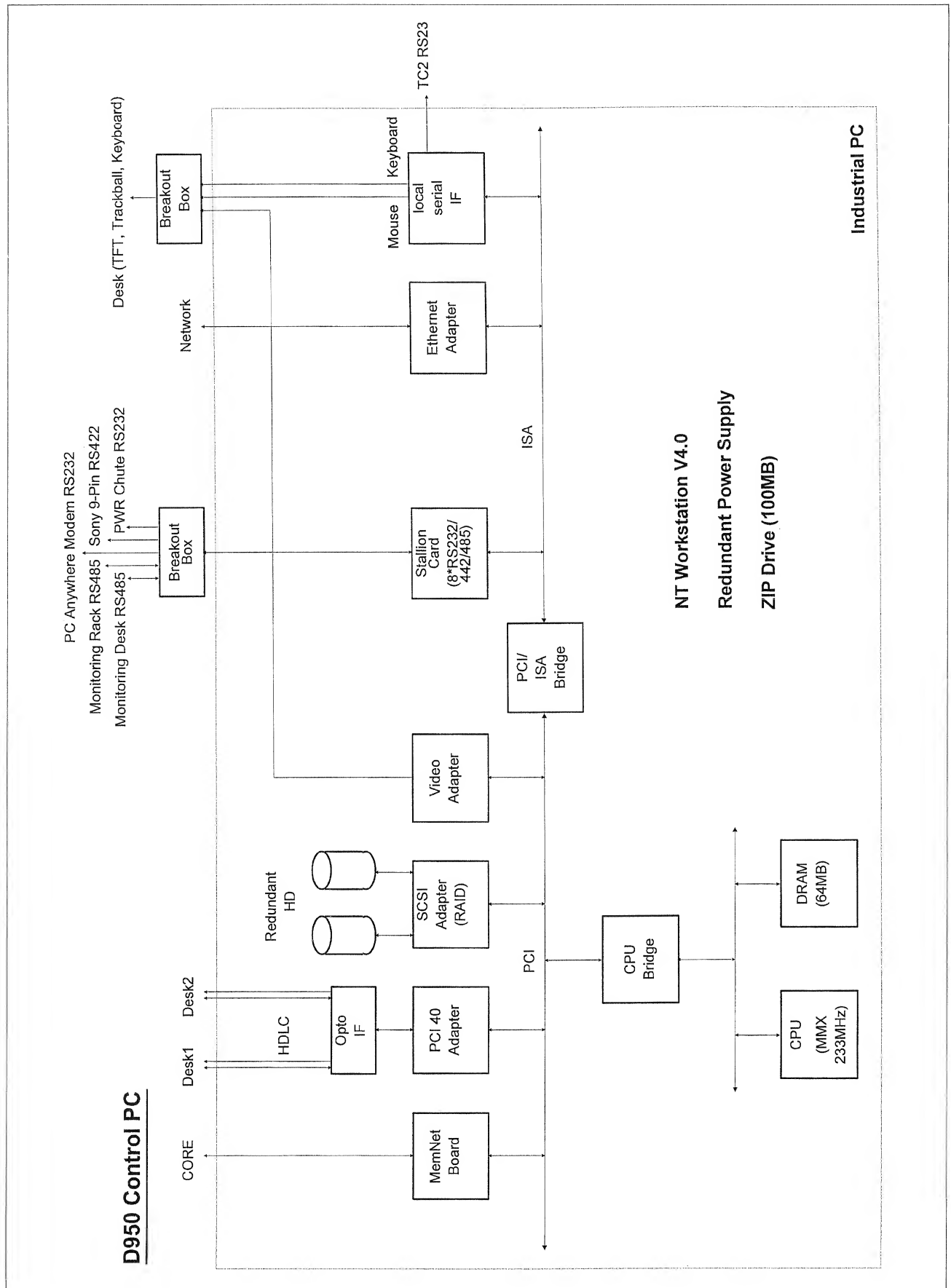
Assembly	Assembly No.	Section
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Back Plane MkII	1.940.551.00	5
Block Diagram Control System	1.950.300	1
Block Diagram Core	1.950.690	2
Block Diagram Core Back Plane	1.950.650	2
Block Diagram D19m MADI Coaxial	1.940.500	7
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Block Diagram D19m SFC Board	1.940.540	6
Block Diagram MADI Optical	1.940.510	7
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Block Diagram PE Board	1.950.610	3
Block Diagram PEAES Board	1.950.605	3
Connection Board 2xD15f 8xAESI-Card	1.940.635.00	8
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Connection Board BNC AESI-Card	1.940.611.00	8
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Connection Board D15f AESI-Card	1.940.615.00	8
Connection Board D15f C4AD-Card	1.940.625.00	8
Connection Board D15m AESO-Card	1.940.616.81	8
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Connection Board S39m C4AD/C4DA Card	1.940.610.00	8
Control Connection	1.940.630.81	5
Core Back Plane	1.950.650.00	2
D19m AESI Board	1.940.580.21	6
D19m AESO Board	1.940.585.22	7
D19m Alesis ADAT In	1.940.490.22	6
D19m Alesis ADAT In with AES Out	1.940.491.22	6
D19m Alesis ADAT Out	1.940.495.20	7
D19m Alesis ADAT Out with AES In	1.940.496.20	7
D19m C4 AD Board	1.940.560.21	6
D19m C4 AD NS Board	1.940.561.21	6
D19m C4 DA Board 24 Bit	1.940.570.21	7
D19m DA Board 24 Bit	1.940.571.21	7
D19m MADI Coaxial	1.940.500.21	7
D19m MADI Optical	1.940.510.21	7
D19m MADI Optical	1.940.511.21	7
D19m MADO Coaxial	1.940.520.21	6
D19m MADO Optical	1.940.530.21	6
D19m MADO Optical	1.940.531.20	6
D19m MicLine Input Board	1.940.575.22	6
D19m Rack Bus 5/15	1.940.592.00	5
D19m SFC Board	1.940.540.23	6
D19m Sync Receiver	1.940.557.00	5
D19m TDIF In	1.940.480.20	6
D19m TDIF In with AES Out	1.940.481.20	6
D19m TDIF Out	1.940.485.20	7
D19m TDIF Out with AES In	1.940.486.20	7
D25+D25 Connection Unit	1.940.619.81	8
Fan Regulation	1.940.596.81	5
MADI Board 96k	1.950.616.20	4

Assembly	Assembly No.	Section
MEMNET Board 96k	1.950.621.20	4
Optical/Coax Interface	1.940.558.00	5
PE Board	1.950.610.26	3
PEAES Board	1.950.605.26	3
Power Supply ± 15 V/3.5 A	1.940.607.00	5
Power Supply 5 V/16 A	1.940.606.00	5
Power Supply 5V/100A	1.950.601.00	2
Processor Board	1.940.576.22	6
PSU Back Plane	1.950.597.81	2
PSU Connection Board	1.950.598.00	2
RS422 to Optical Converter	1.940.577.00	7
RS422 to Optical Converter	1.940.579.00	7
Supply Status Board	1.940.589.00	5
Supply Status Board	1.940.593.00	5
XLR Connection 4xAES/EBU Input	1.940.637.81	8
XLR Connection 4xAES/EBU Output	1.940.638.81	8
XLR Connection AES/EBU Input	1.940.617.81	8
XLR Connection AES/EBU Output	1.940.618.81	8
XLR Connection Analog Input	1.940.627.81	8
XLR Connection Analog Output	1.940.628.81	8

DIAGRAMS CONTROL SYSTEM

	Assembly No.	Diagram	Component Layout	Parts List
<i>Block Diagram Control System</i>	<i>1.950.300</i>	-	-	-

Block Diagram Control System I.950.300.00

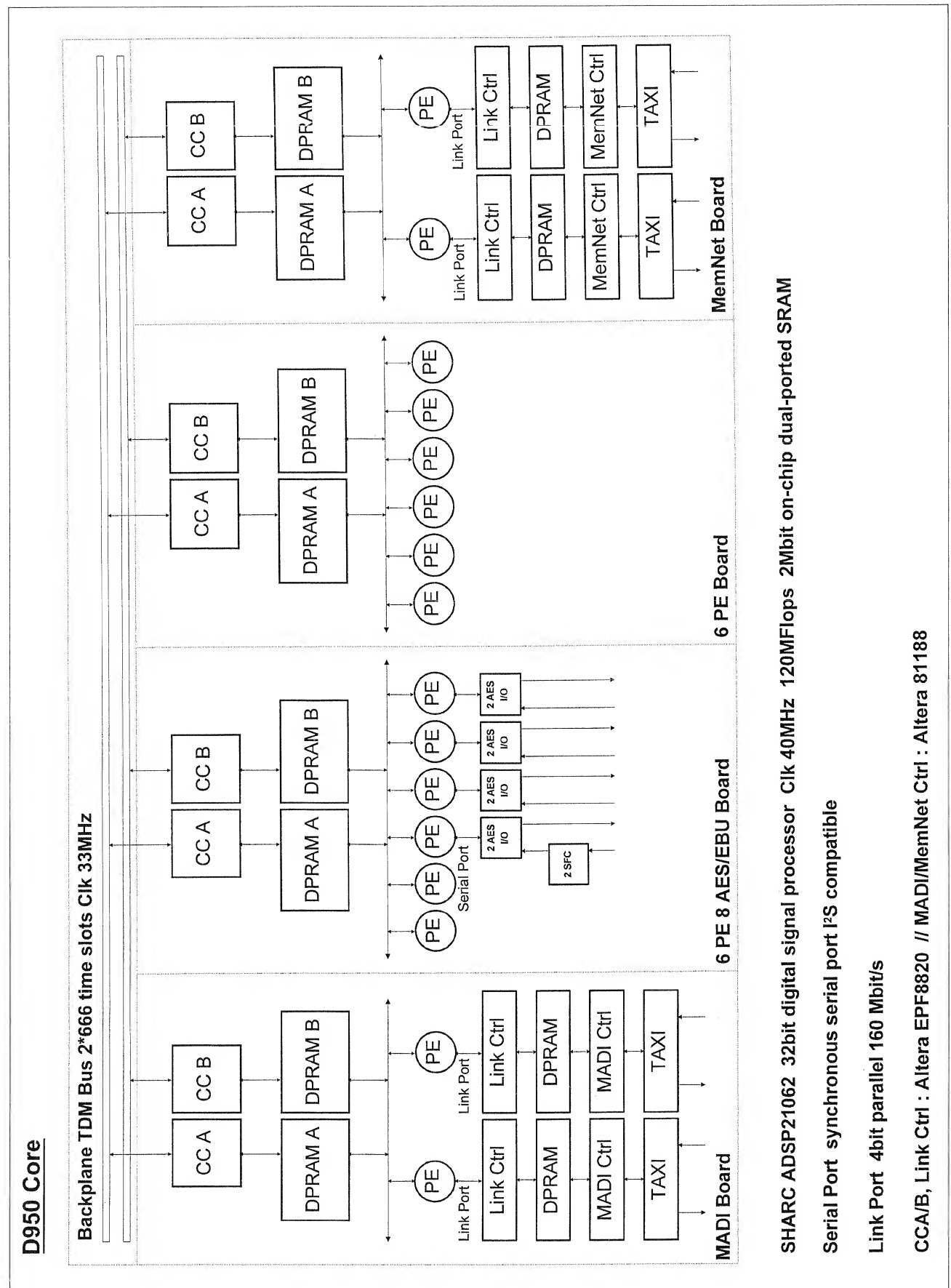


DIAGRAMS DSP CORE

	Assembly No.	Diagram	Component Layout	Parts List
<i>Block Diagram Core</i>	<i>1.950.690</i>	-	-	-
Power Supply 5V/100A	1.950.601.00	-	.00	-
PSU Back Plane	1.950.597.81	.81	.81	.81
PSU Connection Board	1.950.598.00	.00	.00	.00
<i>Block Diagram Core Back Plane</i>	<i>1.950.650</i>	-	-	-
Core Back Plane	1.950.650.00	.00	.00	.00

Block Diagram

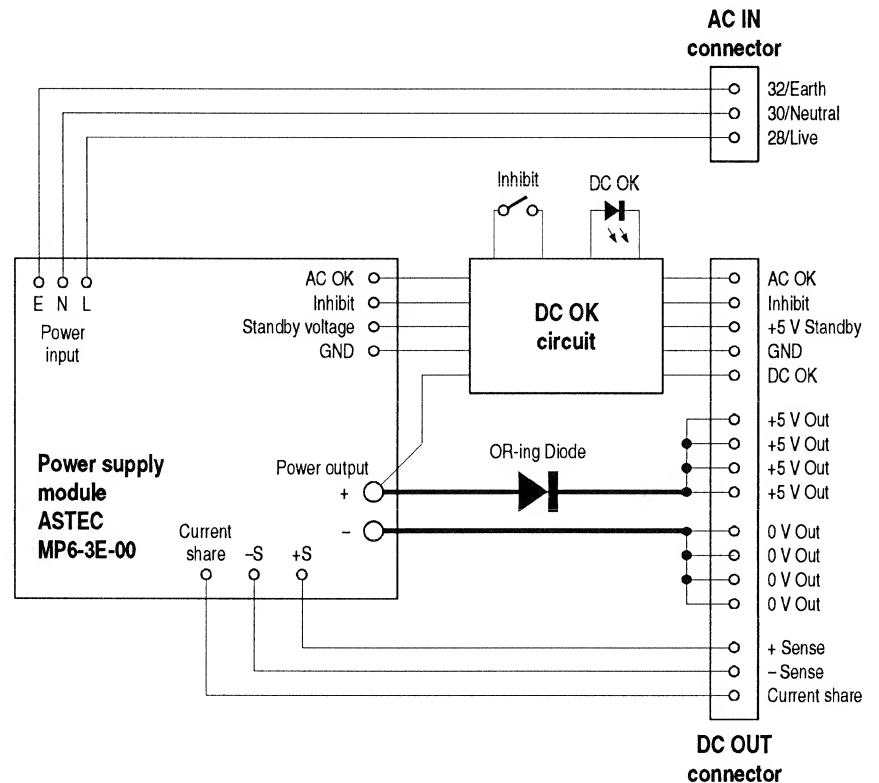
Core 1.950.690.81



2 POWER SUPPLY UNIT

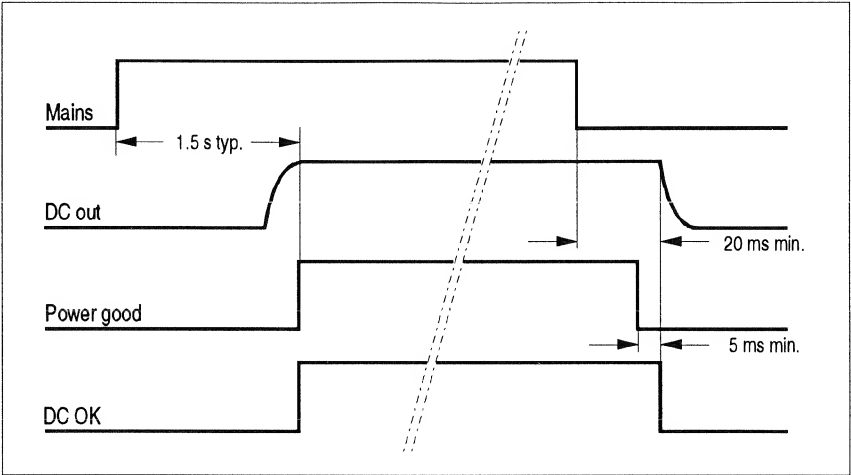
1.950.601.00

2.1 Block diagram

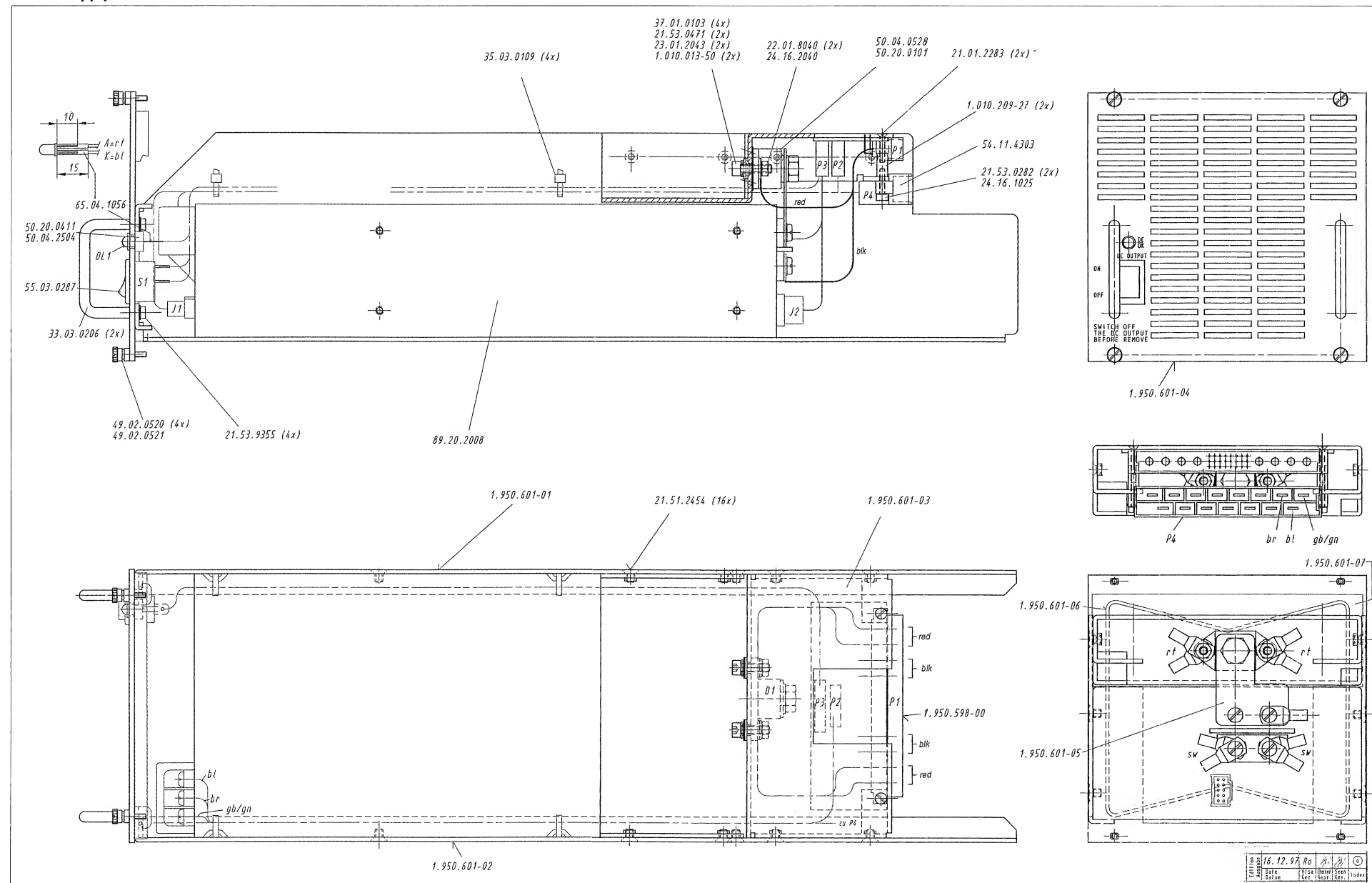


2.2 Specifications

Mains voltages:	100...240 V _{AC} ±10%
Power factor:	0.99 typ.
Mains frequency:	47...440 Hz
Efficiency:	typ. 70%
Output power:	5 V/100 A Integrated OR-ing diode for N+1 redundancy operation.
Output:	Short-circuit, overcurrent, overvoltage, and thermal protection.
Power down (logic inhibit):	Control input, TTL compatible, active low.
Power good:	Output, open collector, TTL compatible, active high.
DC OK:	Output, open collector, TTL compatible, active high; and green LED indicator on the front panel.
Standby voltage:	5 V/250 mA
Current share:	If individual unit outputs are in parallel, the "Single wire parallel" lines are tied together; this provides forced current sharing of the outputs. Can also be used as a relative current monitor, using a proportional voltage (2...6 V). <i>This output must not be loaded, a buffer has to be used.</i>

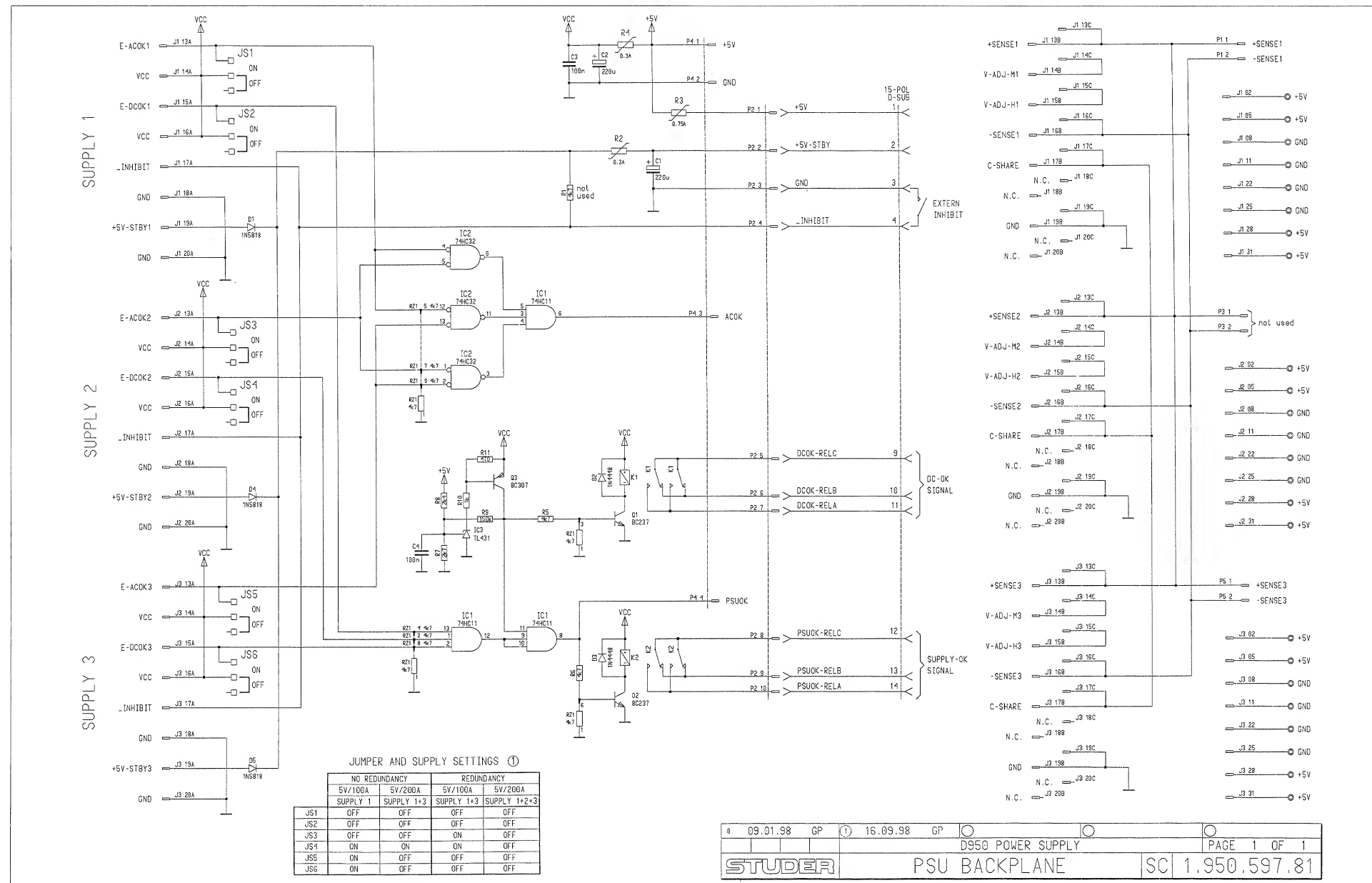


Power Supply 5V/100A 1.950.601.00



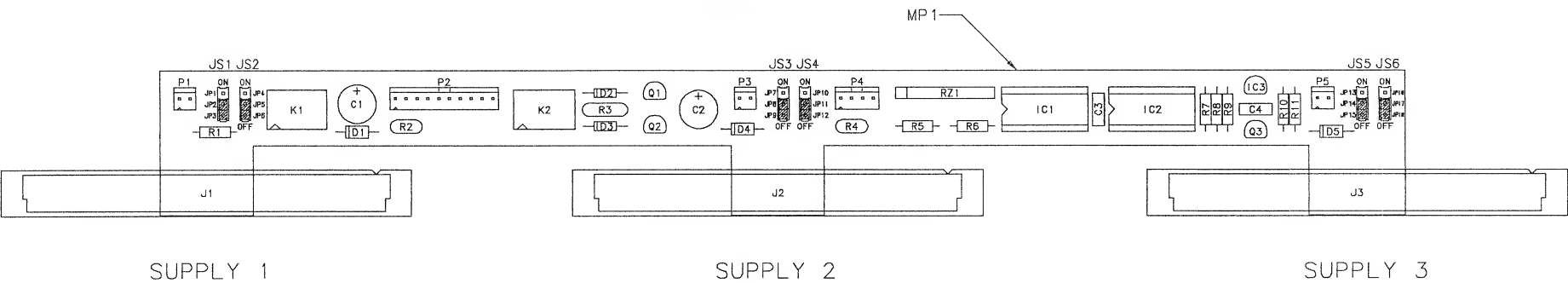


PSU Back Plane 1.950.597.81





PSU Back Plane 1.950.597.81



JUMPER AND SUPPLY SETTINGS ①

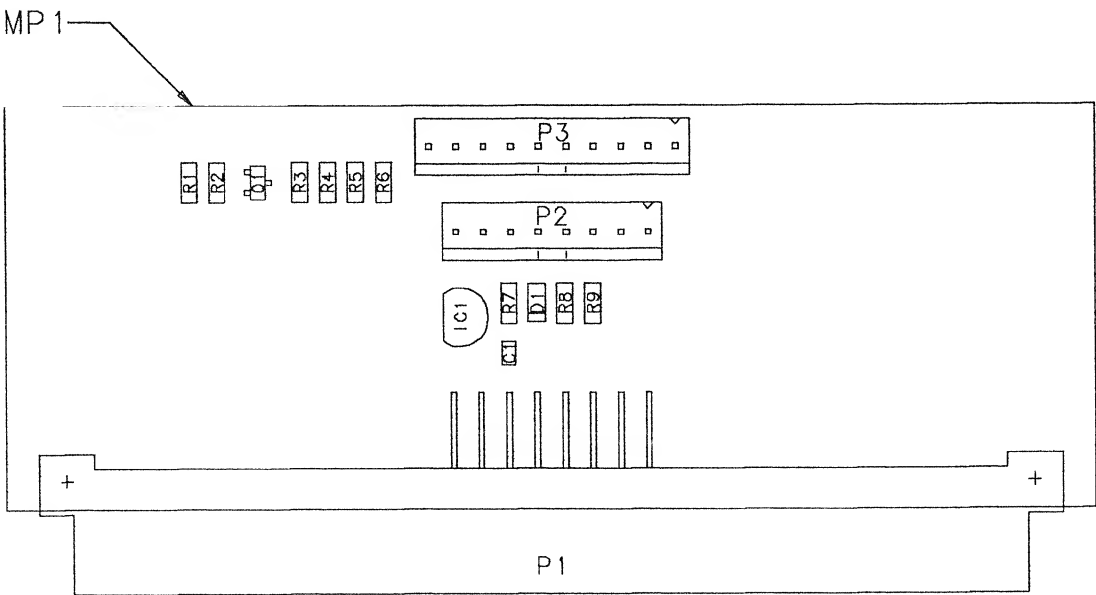
	NO REDUNDANCY		REDUNDANCY	
	5V/100A	5V/200A	5V/100A	5V/200A
	SUPPLY 1	SUPPLY 1+3	SUPPLY 1+3	SUPPLY 1+2+3
JS1	OFF	OFF	OFF	OFF
JS2	OFF	OFF	OFF	OFF
JS3	OFF	OFF	ON	OFF
JS4	ON	ON	ON	OFF
JS5	ON	OFF	OFF	OFF
JS6	ON	OFF	OFF	OFF

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.22.3221	220u		EL 10V, 20%, RM5	0	MP 1	1.950.597.12			PSU BACK PLANE PCB
0	C 2	59.22.3221	220u		EL 10V, 20%, RM5	0	MP 2	1.950.597.10			NR. ETIKETTE
0	C 3	59.06.0104	100n		PETP, 63V, 10%, RM5	0	MP 3	43.01.0108		Label	ESE-WARNSCHILD
0	C 4	59.06.0104	100n		PETP, 63V, 10%, RM5	0	P 1	54.12.0702	2p		Stecker gerade PCB
0	D 1	50.04.0512	1N5818		D 1N 5818, 1N 5819,	0	P 2	54.12.0710	10p		Stecker gerade PCB
0	D 2	50.04.0125	1N4448		75V, 150mA, 4ns, DO-35	0	P 3	not used	2p		Stecker gerade PCB
0	D 3	50.04.0125	1N4448		75V, 150mA, 4ns, DO-35	0	P 4	54.12.0704	4p		Stecker gerade PCB
0	D 4	50.04.0512	1N5818		D 1N 5818, 1N 5819,	0	P 5	54.12.0702	2p		Stecker gerade PCB
0	D 5	50.04.0512	1N5818		D 1N 5818, 1N 5819,	0	Q 1	50.03.0436		BC237B	BC 237 B, 547 B, 550 B,
0	IC 1	50.17.1011	74HC11		IC ... 74 HC 11 ..	.A	Q 2	50.03.0436		BC237B	BC 237 B, 547 B, 550 B,
0	IC 2	50.17.1032	74HC32		IC ... 74 HC 32 ..	.A	Q 3	50.03.0515		BC307B	BC 307 B, BC 557 B, PNP
0	IC 3	50.10.0106	TL431		IC TL 431 CLP,						
0	J 1	54.11.4451	24+8p		EU-M	0	R 1	not used	4k7		MF, 1%, 0207
0	J 2	54.11.4451	24+8p		EU-M	0	R 2	57.92.7012	0.3A		POLY- PTC, 80V
0	J 3	54.11.4451	24+8p		EU-M	0	R 3	57.92.7020	0.75A		POLY- PTC, 60V
0	JP 1	54.01.0020	1p		Pin 0.63*0.63	0	R 4	57.92.7012	0.3A		POLY- PTC, 60V
0	JP 2	54.01.0020	1p		Pin 0.63*0.63	0	R 5	57.11.3472	4k7		MF, 1%, 0207
0	JP 3	54.01.0020	1p		Pin 0.63*0.63	0	R 6	57.11.3472	4k7		MF, 1%, 0207
0	JP 4	54.01.0020	1p		Pin 0.63*0.63	0	R 7	57.11.3272	2k7		MF, 1%, 0207
0	JP 5	54.01.0020	1p		Pin 0.63*0.63	0	R 8	57.11.3242	2k4		MF, 1%, 0207
0	JP 6	54.01.0020	1p		Pin 0.63*0.63	0	R 9	57.11.3154	150k		MF, 1%, 0207
0	JP 7	54.01.0020	1p		Pin 0.63*0.63	0	R 10	57.11.3102	1k0		MF, 1%, 0207
0	JP 8	54.01.0020	1p		Pin 0.63*0.63	0	R 11	57.11.3471	470R		MF, 1%, 0207
0	JP 9	54.01.0020	1p		Pin 0.63*0.63	0	RZ 1	57.88.4472	8*4k7		2%, SIP 9
0	JP 10	54.01.0020	1p		Pin 0.63*0.63	0	XIC 1	53.03.0167	14p		DIL 0.3", lot, gerade
0	JP 11	54.01.0020	1p		Pin 0.63*0.63	0	XIC 2	53.03.0167	14p		DIL 0.3", lot, gerade
0	JP 12	54.01.0020	1p		Pin 0.63*0.63						
0	JP 13	54.01.0020	1p		Pin 0.63*0.63						
0	JP 14	54.01.0020	1p		Pin 0.63*0.63						
0	JP 15	54.01.0020	1p		Pin 0.63*0.63						
0	JP 16	54.01.0020	1p		Pin 0.63*0.63						
0	JP 17	54.01.0020	1p		Pin 0.63*0.63						
0	JP 18	54.01.0020	1p		Pin 0.63*0.63						
0	JS 1	54.01.0021	Jumper		0.63 * 0.63mm						
0	JS 2	54.01.0021	Jumper		0.63 * 0.63mm						
0	JS 3	54.01.0021	Jumper		0.63 * 0.63mm						
0	JS 4	54.01.0021	Jumper		0.63 * 0.63mm						
0	JS 5	54.01.0021	Jumper		0.63 * 0.63mm						
0	JS 6	54.01.0021	Jumper		0.63 * 0.63mm						
0	K 1	56.04.0198	2u		5V 125V 2A Ag/Au						
0	K 2	56.04.0198	2u		5V 125V 2A Ag/Au						

Comments:

End of List

PSU Connection Board 1.950.598.00



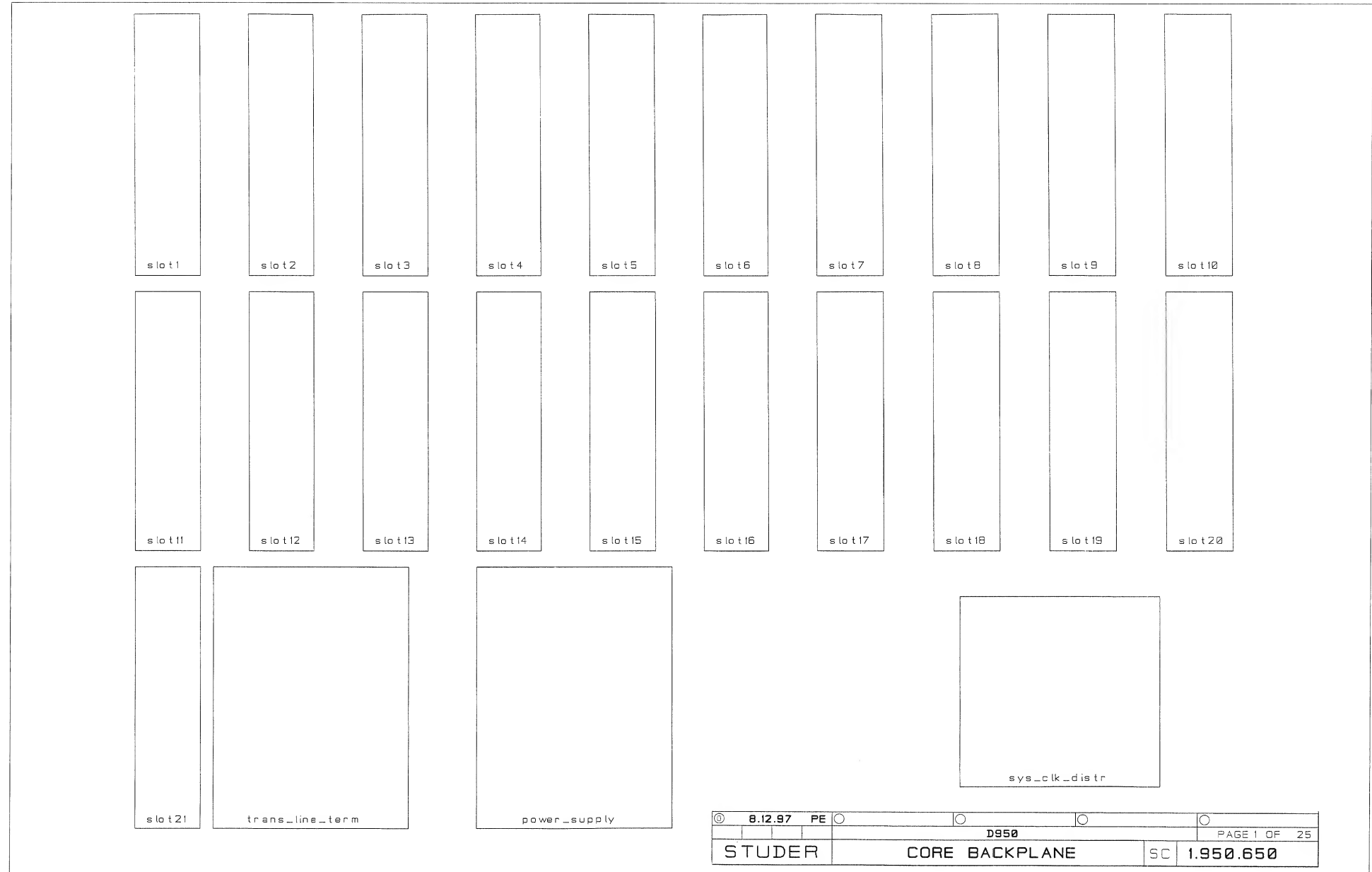
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						2
						1
Copy to: Kopie fuer:						
Number: Nummer:	1.950.598.00					

STUDER REGENSDORF	Description: Benennung:	PSU CONNECTION BOARD	Number:	1.950.598.00
			Nummer:	

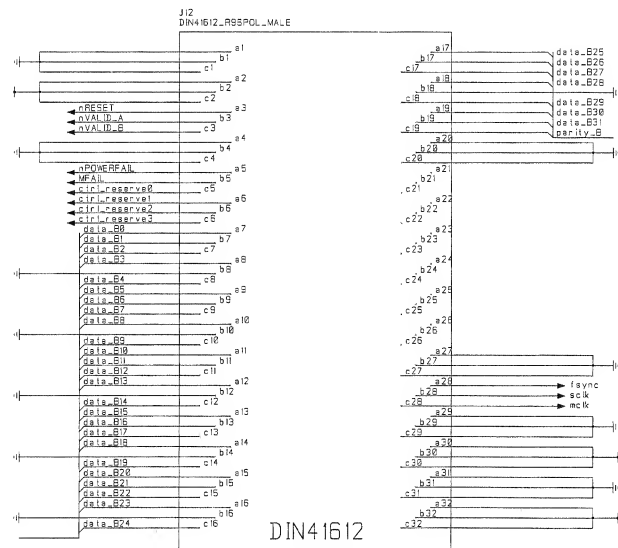
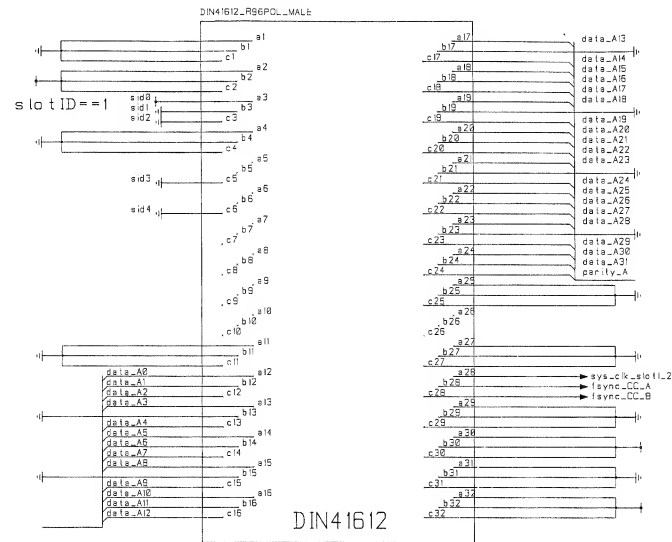
Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	D 1	50.60.8001	4448		200mA 75V 4ns SOD 80
0	IC 1	50.10.0106	TL431		IC TL 431 CLP,
0	MP 1	1.950.598.11			PSU CONNECTION PCB
0	MP 2	1.950.598.10			NR. ETIKETTE
0	MP 3	43.01.0108	Label		ESE-WARNSCHILD
0	P 1	54.11.4401	24+8p		EU-M
0	P 2	54.12.0708	8p		Stecker gerade PCB
0	P 3	54.12.0710	10p		Stecker gerade PCB
0	Q 1	50.60.1001	BC857B		PNP 45V 100mA SOT 23
0	R 1	57.60.1102	1K		MF, 1%, 0204, E24
0	R 2	57.60.1561	560R		MF, 1%, 0204, E24
0	R 3	57.60.1561	560R		MF, 1%, 0204, E24
0	R 4	57.60.1224	220K		MF, 1%, 0204, E24
0	R 5	57.60.1472	4K7		MF, 1%, 0204, E24
0	R 6	not used	220K		MF, 1%, 0204, E24
0	R 7	57.60.1472	4K7		MF, 1%, 0204, E24
0	R 8	not used	0R0		MF, 0204
0	R 9	57.60.1101	100R		MF, 1%, 0204, E24

End of List

Comments:

Block Diagram
Core Back Plane 1.950.650

Core Back Plane I.950.650.00



08.12.1997 PE	31.08.1998 AF	07.01.1999 AF	
D950			PAGE 1 OF 24
STUDER		CORE BACKPLANE	SC I.950.650.00

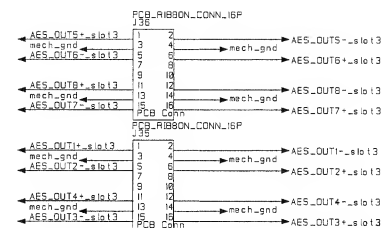
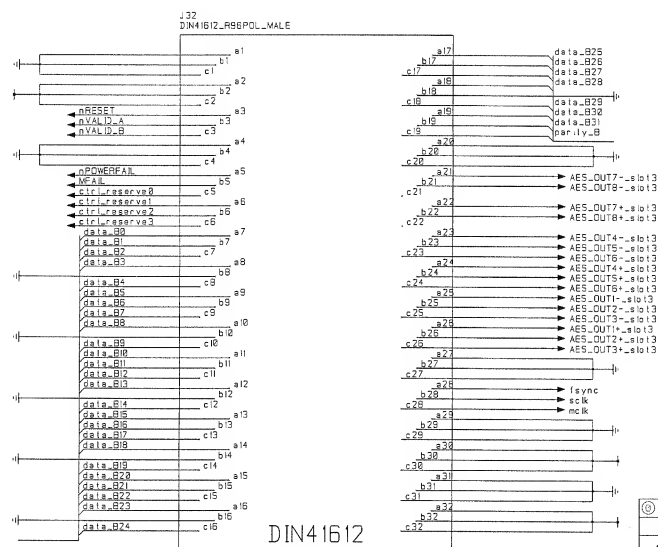
[illegible]

DIN41612_RS6PCL_MALE

slot ID = 3

data_A13
data_A14
data_A15
data_A16
data_A17
data_A18
data_A19
data_A20
data_A21
data_A22
data_A23
data_A24
data_A25
data_A26
data_A27
data_A28
data_A29
data_A30
data_A31
parity_A
data_A0
data_A1
data_A2
data_A3
data_A4
data_A5
data_A6
data_A7
data_A8
data_A9
data_A10
data_A11
data_A12

DIN41612



[illegible]

The diagram illustrates the internal routing of a core backplane PCB, specifically focusing on the DIN41612 connectors J81 and J82. The layout shows the connection of various signal lines, including AES encryption/decryption signals (AES_IN, AES_OUT), data lines (data_A1 through data_A28), and control signals (sys_clk, fasync, parity_A). The routing is organized into two main sections, one for J81 and one for J82, with detailed pin connections and signal names. A title block at the bottom right identifies the manufacturer as STUDER and the product as CORE BACKPLANE, with a date of 1.950.650.00.

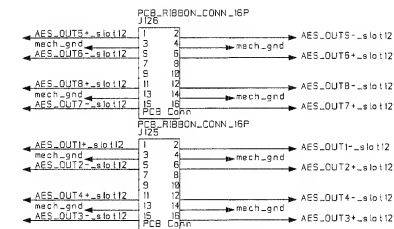
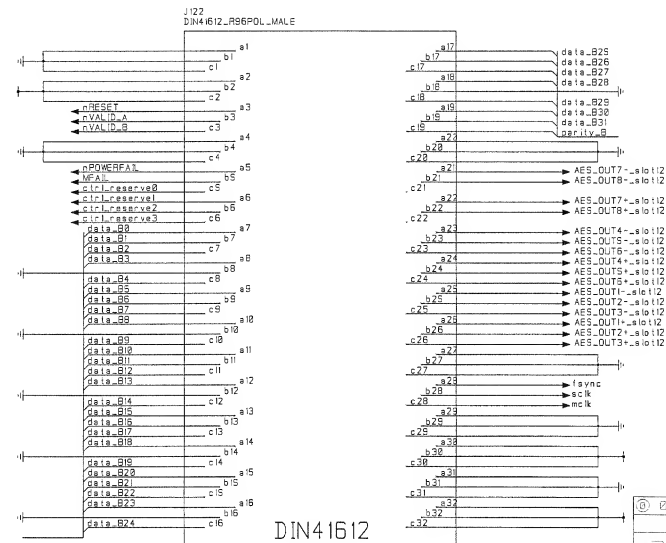
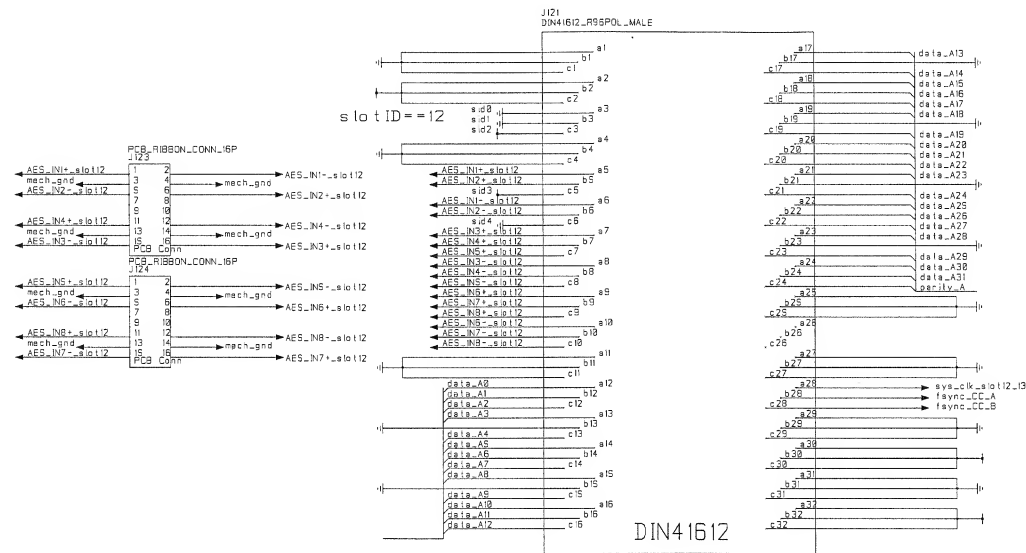
Top Section (J81 DIN41612-R96POL-MALE):

- Left Side (J81):**
 - Pin 1: AES_IN1+ - slot1B
 - Pin 2: mech_gnd
 - Pin 3: AES_IN2+ - slot1B
 - Pin 4: mech_gnd
 - Pin 5: AES_IN3+ - slot1B
 - Pin 6: mech_gnd
 - Pin 7: AES_IN4+ - slot1B
 - Pin 8: mech_gnd
 - Pin 9: AES_IN5+ - slot1B
 - Pin 10: mech_gnd
 - Pin 11: AES_IN6+ - slot1B
 - Pin 12: mech_gnd
 - Pin 13: AES_IN7+ - slot1B
 - Pin 14: mech_gnd
 - Pin 15: AES_IN8+ - slot1B
 - Pin 16: mech_gnd
 - Pin 17: AES_IN9+ - slot1B
 - Pin 18: mech_gnd
 - Pin 19: AES_IN10+ - slot1B
 - Pin 20: mech_gnd
 - Pin 21: AES_IN11+ - slot1B
 - Pin 22: mech_gnd
 - Pin 23: AES_IN12+ - slot1B
 - Pin 24: mech_gnd
 - Pin 25: AES_IN13+ - slot1B
 - Pin 26: mech_gnd
 - Pin 27: AES_IN14+ - slot1B
 - Pin 28: mech_gnd
 - Pin 29: AES_IN15+ - slot1B
 - Pin 30: mech_gnd
 - Pin 31: AES_IN16+ - slot1B
 - Pin 32: mech_gnd
 - Pin 33: AES_IN17+ - slot1B
 - Pin 34: mech_gnd
 - Pin 35: AES_IN18+ - slot1B
 - Pin 36: mech_gnd
 - Pin 37: AES_IN19+ - slot1B
 - Pin 38: mech_gnd
 - Pin 39: AES_IN20+ - slot1B
 - Pin 40: mech_gnd
 - Pin 41: AES_IN21+ - slot1B
 - Pin 42: mech_gnd
 - Pin 43: AES_IN22+ - slot1B
 - Pin 44: mech_gnd
 - Pin 45: AES_IN23+ - slot1B
 - Pin 46: mech_gnd
 - Pin 47: AES_IN24+ - slot1B
 - Pin 48: mech_gnd
 - Pin 49: AES_IN25+ - slot1B
 - Pin 50: mech_gnd
 - Pin 51: AES_IN26+ - slot1B
 - Pin 52: mech_gnd
 - Pin 53: AES_IN27+ - slot1B
 - Pin 54: mech_gnd
 - Pin 55: AES_IN28+ - slot1B
 - Pin 56: mech_gnd
 - Pin 57: AES_IN29+ - slot1B
 - Pin 58: mech_gnd
 - Pin 59: AES_IN30+ - slot1B
 - Pin 60: mech_gnd
 - Pin 61: AES_IN31+ - slot1B
 - Pin 62: mech_gnd
 - Pin 63: AES_IN32+ - slot1B
 - Pin 64: mech_gnd
 - Pin 65: AES_IN33+ - slot1B
 - Pin 66: mech_gnd
 - Pin 67: AES_IN34+ - slot1B
 - Pin 68: mech_gnd
 - Pin 69: AES_IN35+ - slot1B
 - Pin 70: mech_gnd
 - Pin 71: AES_IN36+ - slot1B
 - Pin 72: mech_gnd
 - Pin 73: AES_IN37+ - slot1B
 - Pin 74: mech_gnd
 - Pin 75: AES_IN38+ - slot1B
 - Pin 76: mech_gnd
 - Pin 77: AES_IN39+ - slot1B
 - Pin 78: mech_gnd
 - Pin 79: AES_IN40+ - slot1B
 - Pin 80: mech_gnd
 - Pin 81: AES_IN41+ - slot1B
 - Pin 82: mech_gnd
 - Pin 83: AES_IN42+ - slot1B
 - Pin 84: mech_gnd
 - Pin 85: AES_IN43+ - slot1B
 - Pin 86: mech_gnd
 - Pin 87: AES_IN44+ - slot1B
 - Pin 88: mech_gnd
 - Pin 89: AES_IN45+ - slot1B
 - Pin 90: mech_gnd
 - Pin 91: AES_IN46+ - slot1B
 - Pin 92: mech_gnd
 - Pin 93: AES_IN47+ - slot1B
 - Pin 94: mech_gnd
 - Pin 95: AES_IN48+ - slot1B
 - Pin 96: mech_gnd
 - Pin 97: AES_IN49+ - slot1B
 - Pin 98: mech_gnd
 - Pin 99: AES_IN50+ - slot1B
 - Pin 100: mech_gnd
 - Pin 101: AES_IN51+ - slot1B
 - Pin 102: mech_gnd
 - Pin 103: AES_IN52+ - slot1B
 - Pin 104: mech_gnd
 - Pin 105: AES_IN53+ - slot1B
 - Pin 106: mech_gnd
 - Pin 107: AES_IN54+ - slot1B
 - Pin 108: mech_gnd
 - Pin 109: AES_IN55+ - slot1B
 - Pin 110: mech_gnd
 - Pin 111: AES_IN56+ - slot1B
 - Pin 112: mech_gnd
 - Pin 113: AES_IN57+ - slot1B
 - Pin 114: mech_gnd
 - Pin 115: AES_IN58+ - slot1B
 - Pin 116: mech_gnd
 - Pin 117: AES_IN59+ - slot1B
 - Pin 118: mech_gnd
 - Pin 119: AES_IN60+ - slot1B
 - Pin 120: mech_gnd
 - Pin 121: AES_IN61+ - slot1B
 - Pin 122: mech_gnd
 - Pin 123: AES_IN62+ - slot1B
 - Pin 124: mech_gnd
 - Pin 125: AES_IN63+ - slot1B
 - Pin 126: mech_gnd
 - Pin 127: AES_IN64+ - slot1B
 - Pin 128: mech_gnd
 - Pin 129: AES_IN65+ - slot1B
 - Pin 130: mech_gnd
 - Pin 131: AES_IN66+ - slot1B
 - Pin 132: mech_gnd
 - Pin 133: AES_IN67+ - slot1B
 - Pin 134: mech_gnd
 - Pin 135: AES_IN68+ - slot1B
 - Pin 136: mech_gnd
 - Pin 137: AES_IN69+ - slot1B
 - Pin 138: mech_gnd
 - Pin 139: AES_IN70+ - slot1B
 - Pin 140: mech_gnd
 - Pin 141: AES_IN71+ - slot1B
 - Pin 142: mech_gnd
 - Pin 143: AES_IN72+ - slot1B
 - Pin 144: mech_gnd
 - Pin 145: AES_IN73+ - slot1B
 - Pin 146: mech_gnd
 - Pin 147: AES_IN74+ - slot1B
 - Pin 148: mech_gnd
 - Pin 149: AES_IN75+ - slot1B
 - Pin 150: mech_gnd
 - Pin 151: AES_IN76+ - slot1B
 - Pin 152: mech_gnd
 - Pin 153: AES_IN77+ - slot1B
 - Pin 154: mech_gnd
 - Pin 155: AES_IN78+ - slot1B
 - Pin 156: mech_gnd
 - Pin 157: AES_IN79+ - slot1B
 - Pin 158: mech_gnd
 - Pin 159: AES_IN80+ - slot1B
 - Pin 160: mech_gnd
 - Pin 161: AES_IN81+ - slot1B
 - Pin 162: mech_gnd
 - Pin 163: AES_IN82+ - slot1B
 - Pin 164: mech_gnd
 - Pin 165: AES_IN83+ - slot1B
 - Pin 166: mech_gnd
 - Pin 167: AES_IN84+ - slot1B
 - Pin 168: mech_gnd
 - Pin 169: AES_IN85+ - slot1B
 - Pin 170: mech_gnd
 - Pin 171: AES_IN86+ - slot1B
 - Pin 172: mech_gnd
 - Pin 173: AES_IN87+ - slot1B
 - Pin 174: mech_gnd
 - Pin 175: AES_IN88+ - slot1B
 - Pin 176: mech_gnd
 - Pin 177: AES_IN89+ - slot1B
 - Pin 178: mech_gnd
 - Pin 179: AES_IN90+ - slot1B
 - Pin 180: mech_gnd
 - Pin 181: AES_IN91+ - slot1B
 - Pin 182: mech_gnd
 - Pin 183: AES_IN92+ - slot1B
 - Pin 184: mech_gnd
 - Pin 185: AES_IN93+ - slot1B
 - Pin 186: mech_gnd
 - Pin 187: AES_IN94+ - slot1B
 - Pin 188: mech_gnd
 - Pin 189: AES_IN95+ - slot1B
 - Pin 190: mech_gnd
 - Pin 191: AES_IN96+ - slot1B
 - Pin 192: mech_gnd
 - Pin 193: AES_IN97+ - slot1B
 - Pin 194: mech_gnd
 - Pin 195: AES_IN98+ - slot1B
 - Pin 196: mech_gnd
 - Pin 197: AES_IN99+ - slot1B
 - Pin 198: mech_gnd
 - Pin 199: AES_IN100+ - slot1B
 - Pin 200: mech_gnd
 - Pin 201: AES_IN101+ - slot1B
 - Pin 202: mech_gnd
 - Pin 203: AES_IN102+ - slot1B
 - Pin 204: mech_gnd
 - Pin 205: AES_IN103+ - slot1B
 - Pin 206: mech_gnd
 - Pin 207: AES_IN104+ - slot1B
 - Pin 208: mech_gnd
 - Pin 209: AES_IN105+ - slot1B
 - Pin 210: mech_gnd
 - Pin 211: AES_IN106+ - slot1B
 - Pin 212: mech_gnd
 - Pin 213: AES_IN107+ - slot1B
 - Pin 214: mech_gnd
 - Pin 215: AES_IN108+ - slot1B
 - Pin 216: mech_gnd

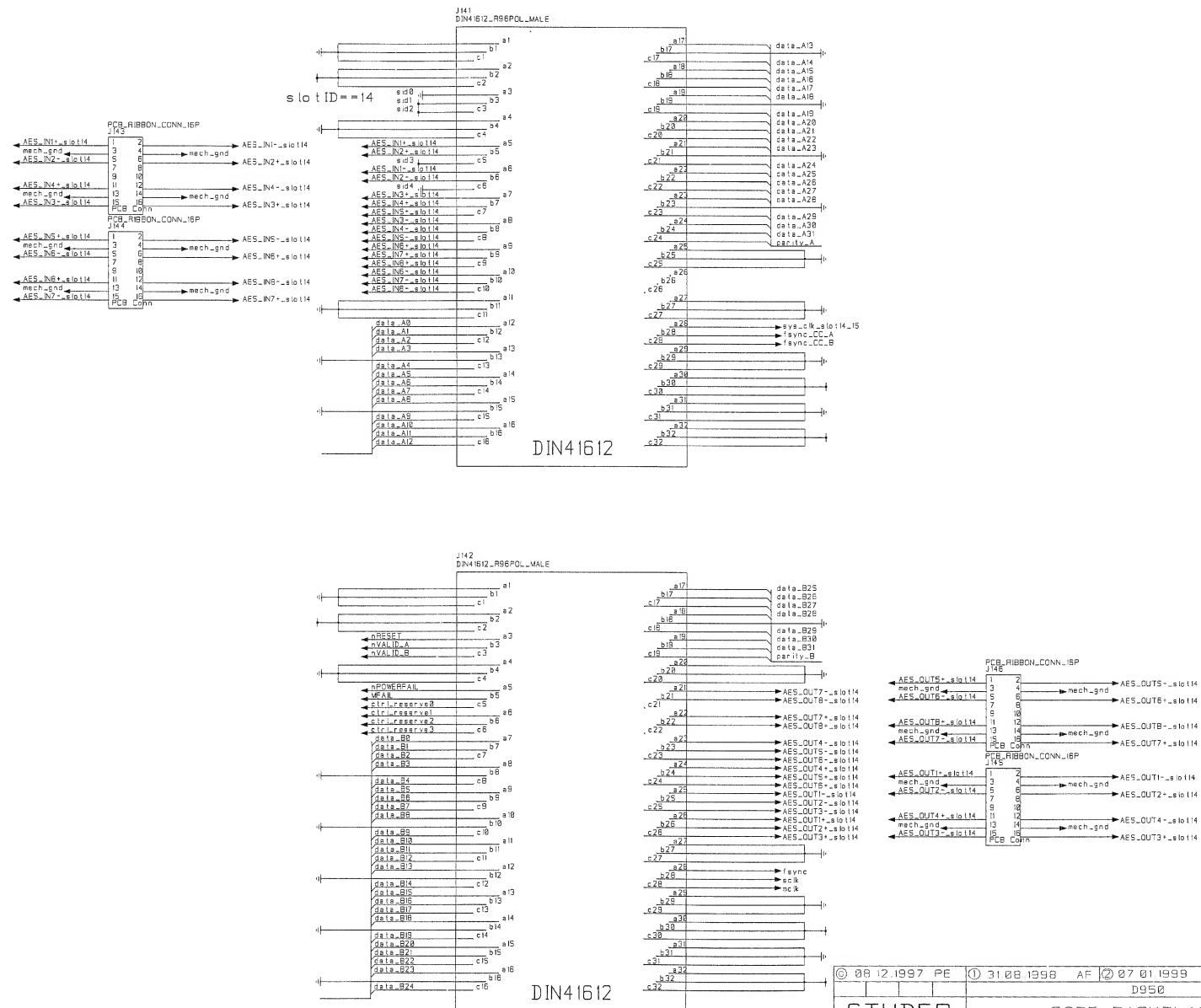
The diagram illustrates a complex PCB layout for a backplane, featuring multiple signal traces, ground planes, and component footprints. The layout is organized into several distinct sections, each corresponding to a different connector or interface.

Top Section (J11): This section shows a connector labeled "J11" with a "DIN41612_R86POL_MALE" footprint. It includes numerous signal lines (e.g., b1, b2, b3, b4, b5, b6, b7, b8, b9, b10, b11, b12, b13, b14, b15, b16, b17, b18, b19, b20, b21, b22, b23, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33, b34, b35, b36, b37, b38, b39, b40, b41, b42, b43, b44, b45, b46, b47, b48, b49, b50, b51, b52, b53, b54, b55, b56, b57, b58, b59, b60, b61, b62, b63, b64, b65, b66, b67, b68, b69, b70, b71, b72, b73, b74, b75, b76, b77, b78, b79, b80, b81, b82, b83, b84, b85, b86, b87, b88, b89, b90, b91, b92, b93, b94, b95, b96, b97, b98, b99, b100, b101, b102, b103, b104, b105, b106, b107, b108, b109, b110, b111, b112, b113, b114, b115, b116, b117, b118, b119, b120, b121, b122, b123, b124, b125, b126, b127, b128, b129, b130, b131, b132, b133, b134, b135, b136, b137, b138, b139, b140, b141, b142, b143, b144, b145, b146, b147, b148, b149, b150, b151, b152, b153, b154, b155, b156, b157, b158, b159, b160, b161, b162, b163, b164, b165, b166, b167, b168, b169, b170, b171, b172, b173, b174, b175, b176, b177, b178, b179, b180, b181, b182, b183, b184, b185, b186, b187, b188, b189, b190, b191, b192, b193, b194, b195, b196, b197, b198, b199, b200, b201, b202, b203, b204, b205, b206, b207, b208, b209, b210, b211, b212, b213, b214, b215, b216, b217, b218, b219, b220, b221, b222, b223, b224, b225, b226, b227, b228, b229, b230, b231, b232, b233, b234, b235, b236, b237, b238, b239, b240, b241, b242, b243, b244, b245, b246, b247, b248, b249, b250, b251, b252, b253, b254, b255, b256, b257, b258, b259, b260, b261, b262, b263, b264, b265, b266, b267, b268, b269, b270, b271, b272, b273, b274, b275, b276, b277, b278, b279, b280, b281, b282, b283, b284, b285, b286, b287, b288, b289, b290, b291, b292, b293, b294, b295, b296, b297, b298, b299, b300, b301, b302, b303, b304, b305, b306, b307, b308, b309, b310, b311, b312, b313, b314, b315, b316, b317, b318, b319, b320, b321, b322, b323, b324, b325, b326, b327, b328, b329, b330, b331, b332, b333, b334, b335, b336, b337, b338, b339, b340, b341, b342, b343, b344, b345, b346, b347, b348, b349, b350, b351, b352, b353, b354, b355, b356, b357, b358, b359, b360, b361, b362, b363, b364, b365, b366, b367, b368, b369, b370, b371, b372, b373, b374, b375, b376, b377, b378, b379, b380, b381, b382, b383, b384, b385, b386, b387, b388, b389, b390, b391, b392, b393, b394, b395, b396, b397, b398, b399, b400, b401, b402, b403, b404, b405, b406, b407, b408, b409, b410, b411, b412, b413, b414, b415, b416, b417, b418, b419, b420, b421, b422, b423, b424, b425, b426, b427, b428, b429, b430, b431, b432, b433, b434, b435, b436, b437, b438, b439, b440, b441, b442, b443, b444, b445, b446, b447, b448, b449, b450, b451, b452, b453, b454, b455, b456, b457, b458, b459, b460, b461, b462, b463, b464, b465, b466, b467, b468, b469, b470, b471, b472, b473, b474, b475, b476, b477, b478, b479, b480, b481, b482, b483, b484, b485, b486, b487, b488, b489, b490, b491, b492, b493, b494, b495, b496, b497, b498, b499, b500, b501, b502, b503, b504, b505, b506, b507, b508, b509, b510, b511, b512, b513, b514, b515, b516, b517, b518, b519, b520, b521, b522, b523, b524, b525, b526, b527, b528, b529, b530, b531, b532, b533, b534, b535, b536, b537, b538, b539, b540, b541, b542, b543, b544, b545, b546, b547, b548, b549, b550, b551, b552, b553, b554, b555, b556, b557, b558, b559, b560, b561, b562, b563, b564, b565, b566, b567, b568, b569, b570, b571, b572, b573, b574, b575, b576, b577, b578, b579, b580, b581, b582, b583, b584, b585, b586, b587, b588, b589, b590, b591, b592, b593, b594, b595, b596, b597, b598, b599, b600, b601, b602, b603, b604, b605, b606, b607, b608, b609, b610, b611, b612, b613, b614, b615, b616, b617, b618, b619, b620, b621, b622, b623, b624, b625, b626, b627, b628, b629, b630, b631, b632, b633, b634, b635, b636, b637, b638, b639, b640, b641, b642, b643, b644, b645, b646, b647, b648, b649, b650, b651, b652, b653, b654, b655, b656, b657, b658, b659, b660, b661, b662, b663, b664, b665, b666, b667, b668, b669, b670, b671, b672, b673, b674, b675, b676, b677, b678, b679, b680, b681, b682, b683, b684, b685, b686, b687, b688, b689, b690, b691, b692, b693, b694, b695, b696, b697, b698, b699, b700, b701, b702, b703, b704, b705, b706, b707, b708, b709, b710, b711, b712, b713, b714, b715, b716, b717, b718, b719, b720, b721, b722, b723, b724, b725, b726, b727, b728, b729, b730, b731, b732, b733, b734, b735, b736, b737, b738, b739, b740, b741, b742, b743, b744, b745, b746, b747, b748, b749, b750, b751, b752, b753, b754, b755, b756, b757, b758, b759, b760, b761, b762, b763, b764, b765, b766, b767, b768, b769, b770, b771, b772, b773, b774, b775, b776, b777, b778, b779, b780, b781, b782, b783, b784, b785, b786, b787, b

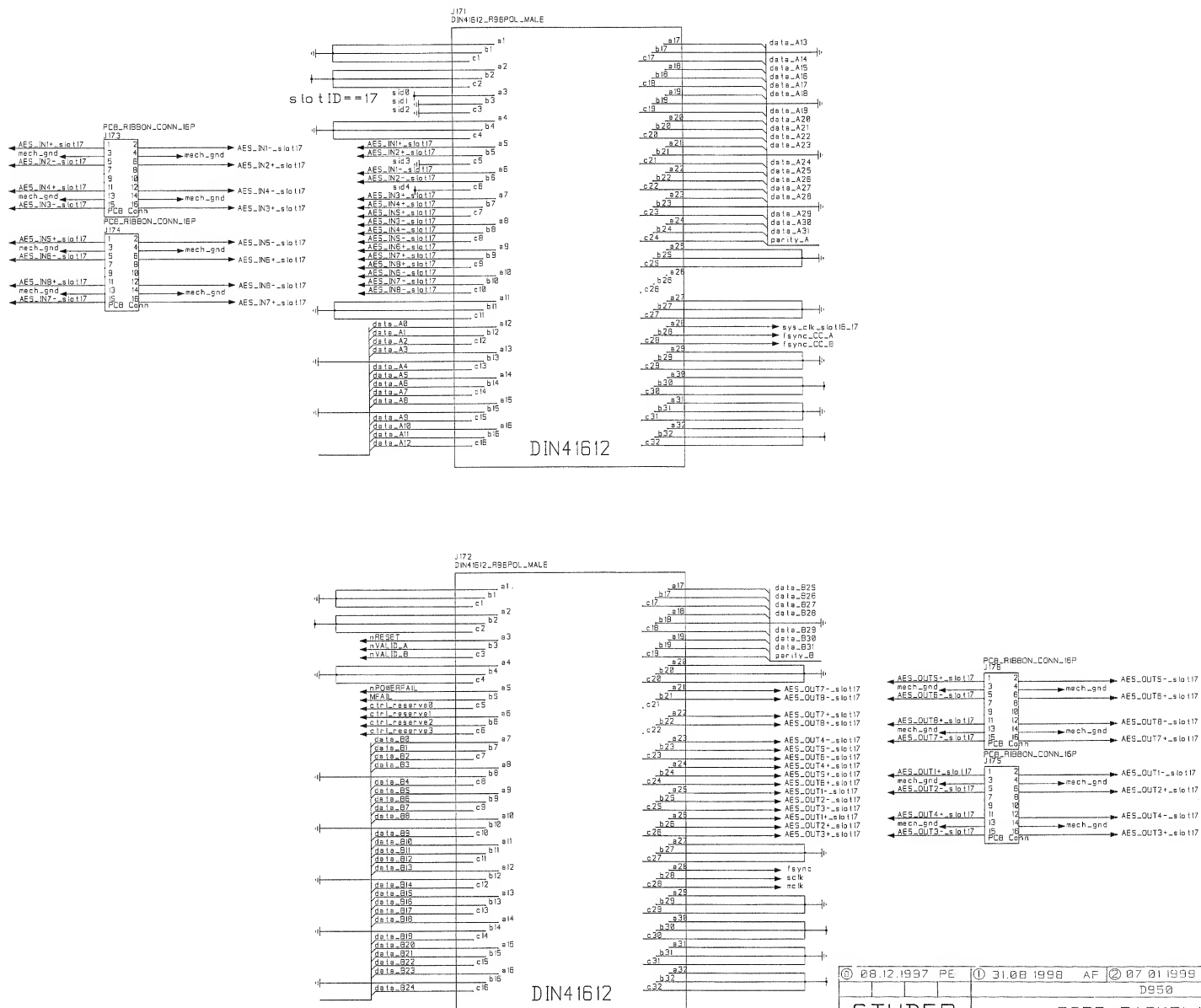
Core Back Plane 1.950.650.00



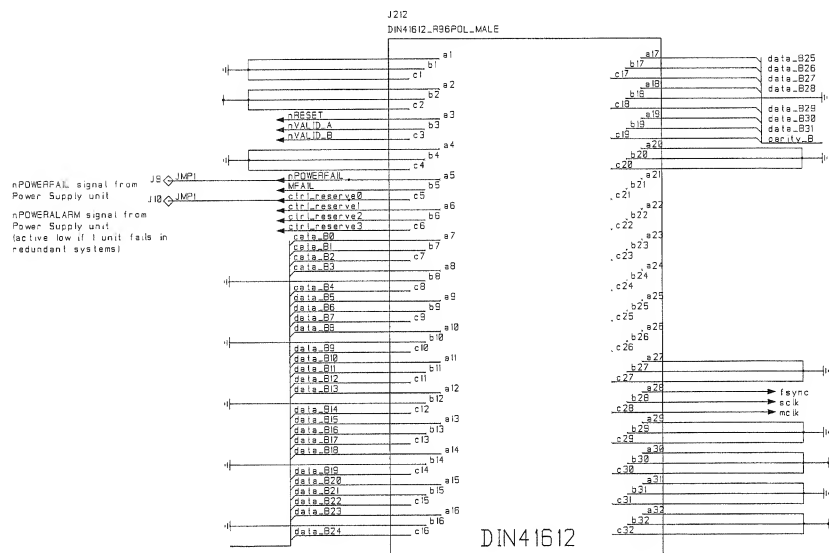
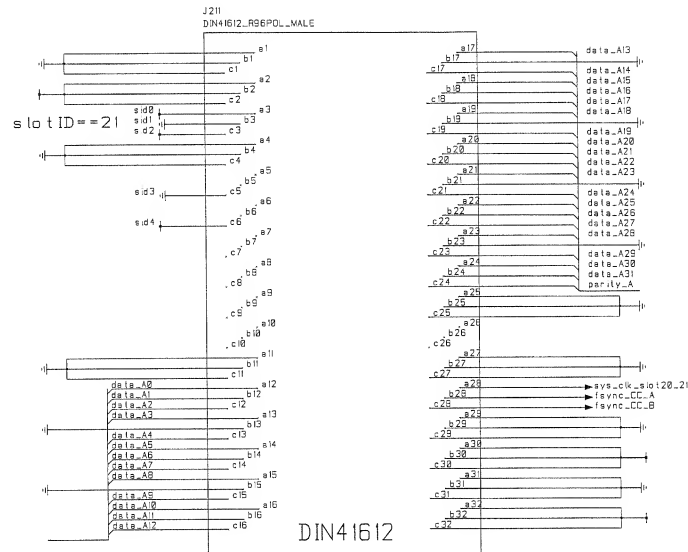
Core Back Plane 1.950.650.00



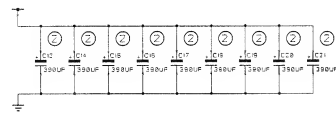
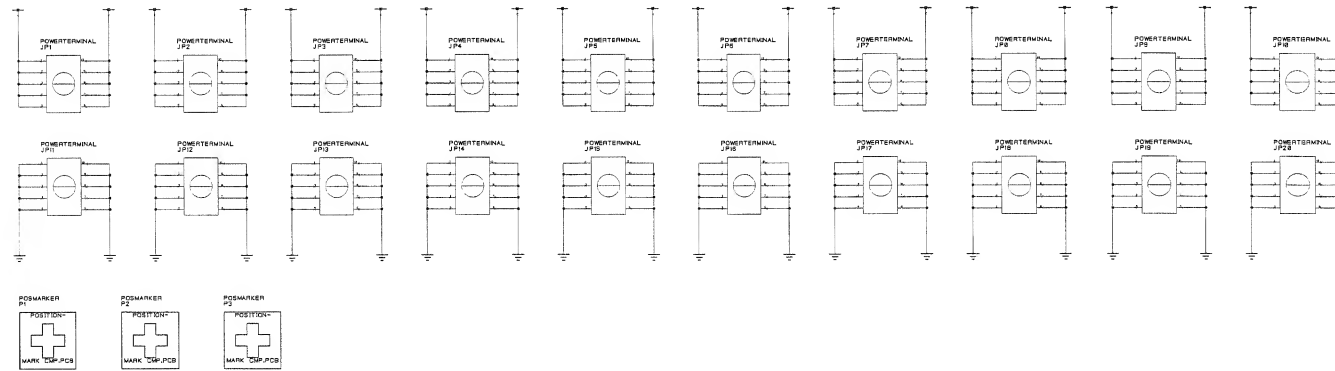
Core Back Plane 1.950.650.00



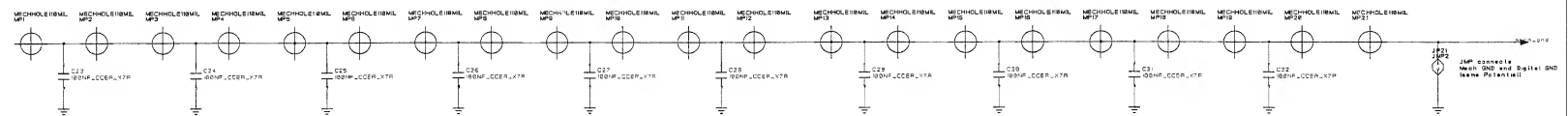
Core Back Plane 1.950.650.00



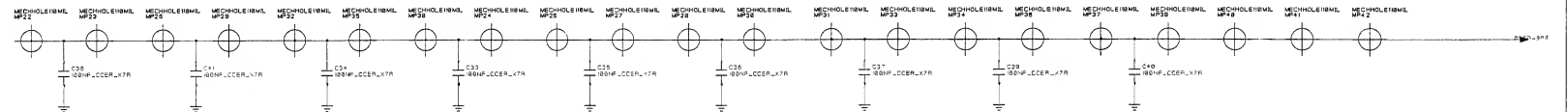
Core Back Plane 1.950.650.00



TOP ROW MECH HOLES



BOTTOM ROW MECH HOLES



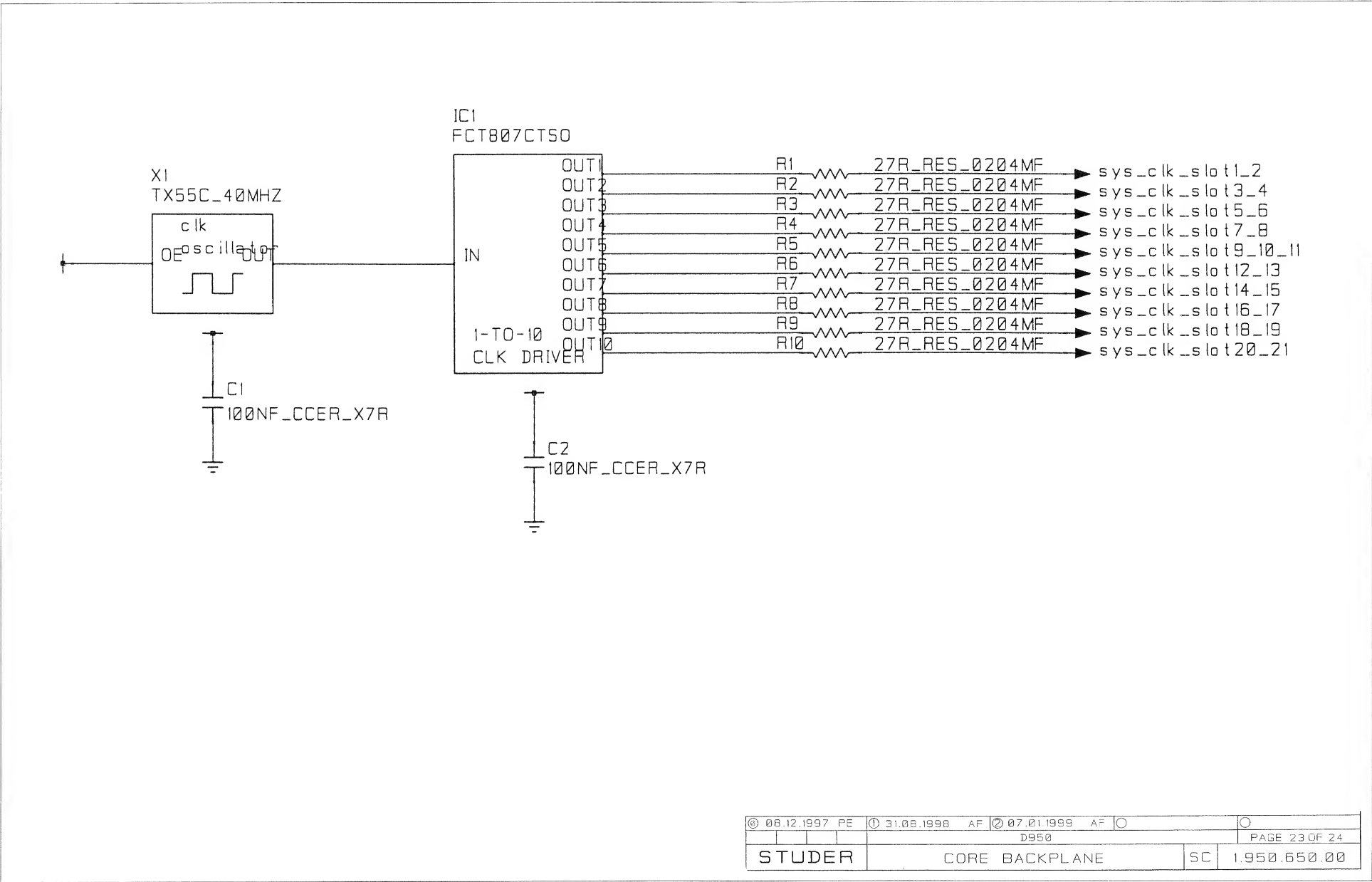
MIDDLE ROW MECH HOLES



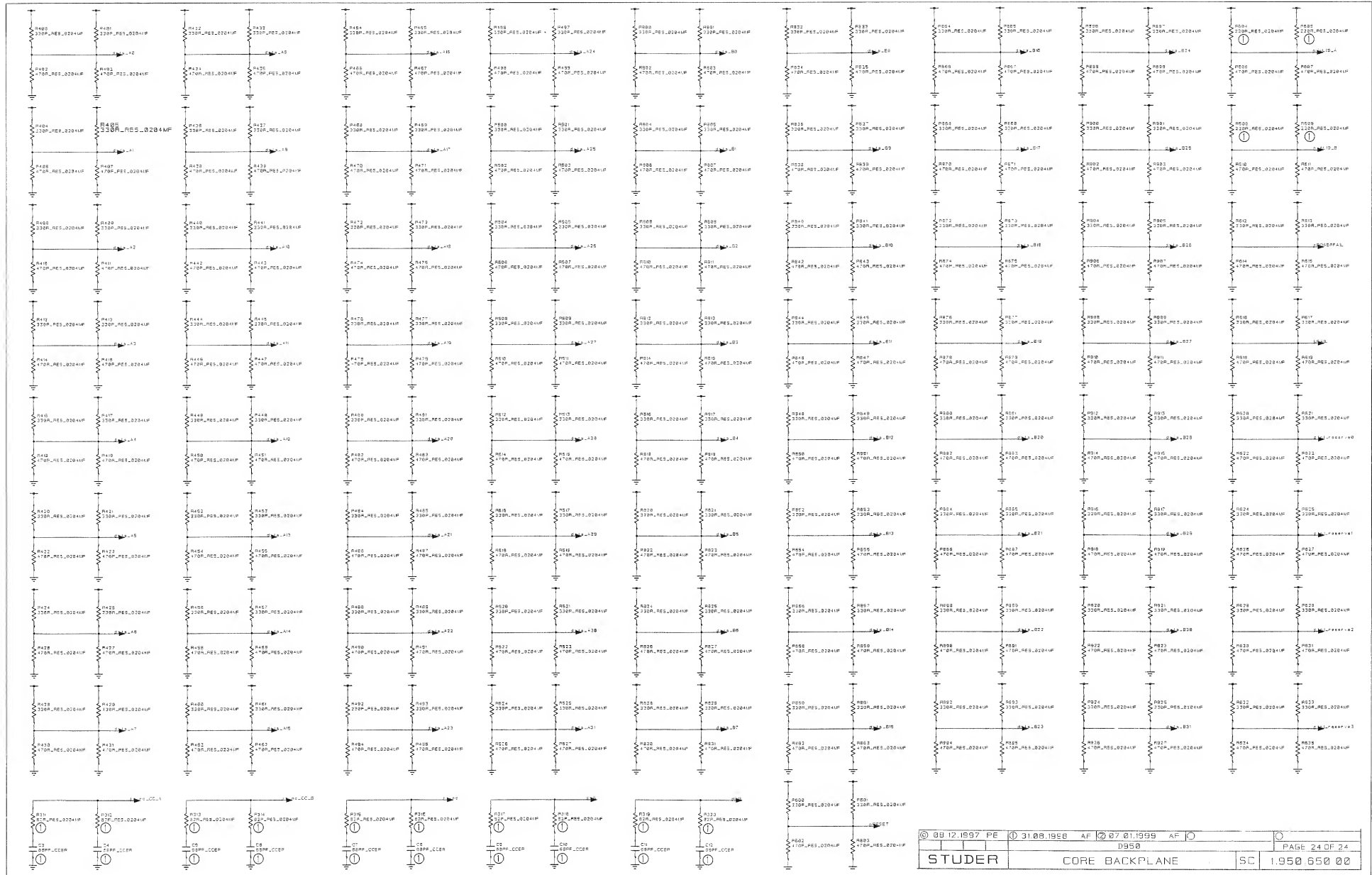
mechanical holes for PCB fixation

Rem: 100nF Cap build low impedance path
between Mech Gnd and Digital Gnd
for high frequency EMI disturbances

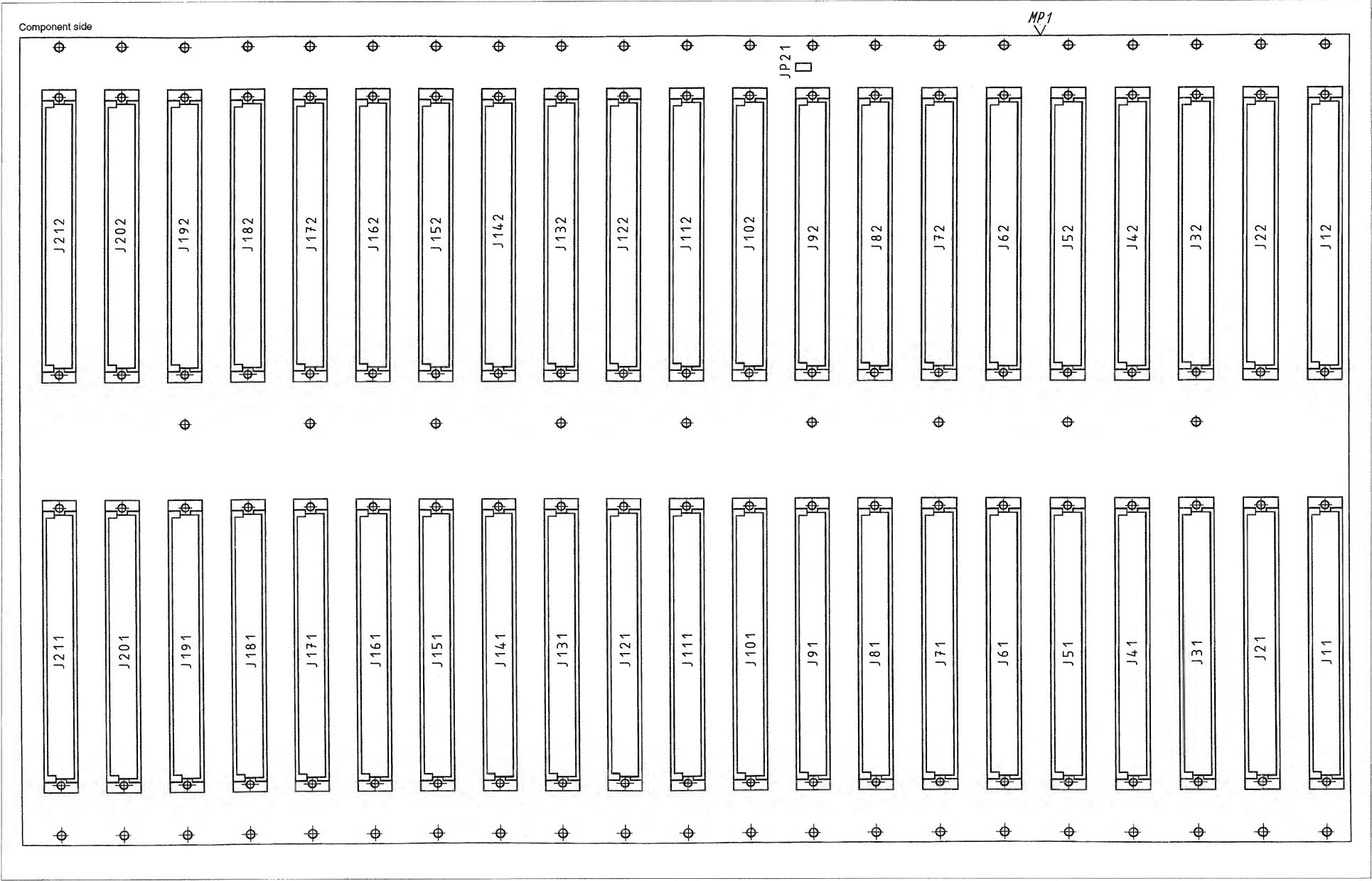
Core Back Plane 1.950.650.00



Core Back Plane 1.950.650.00

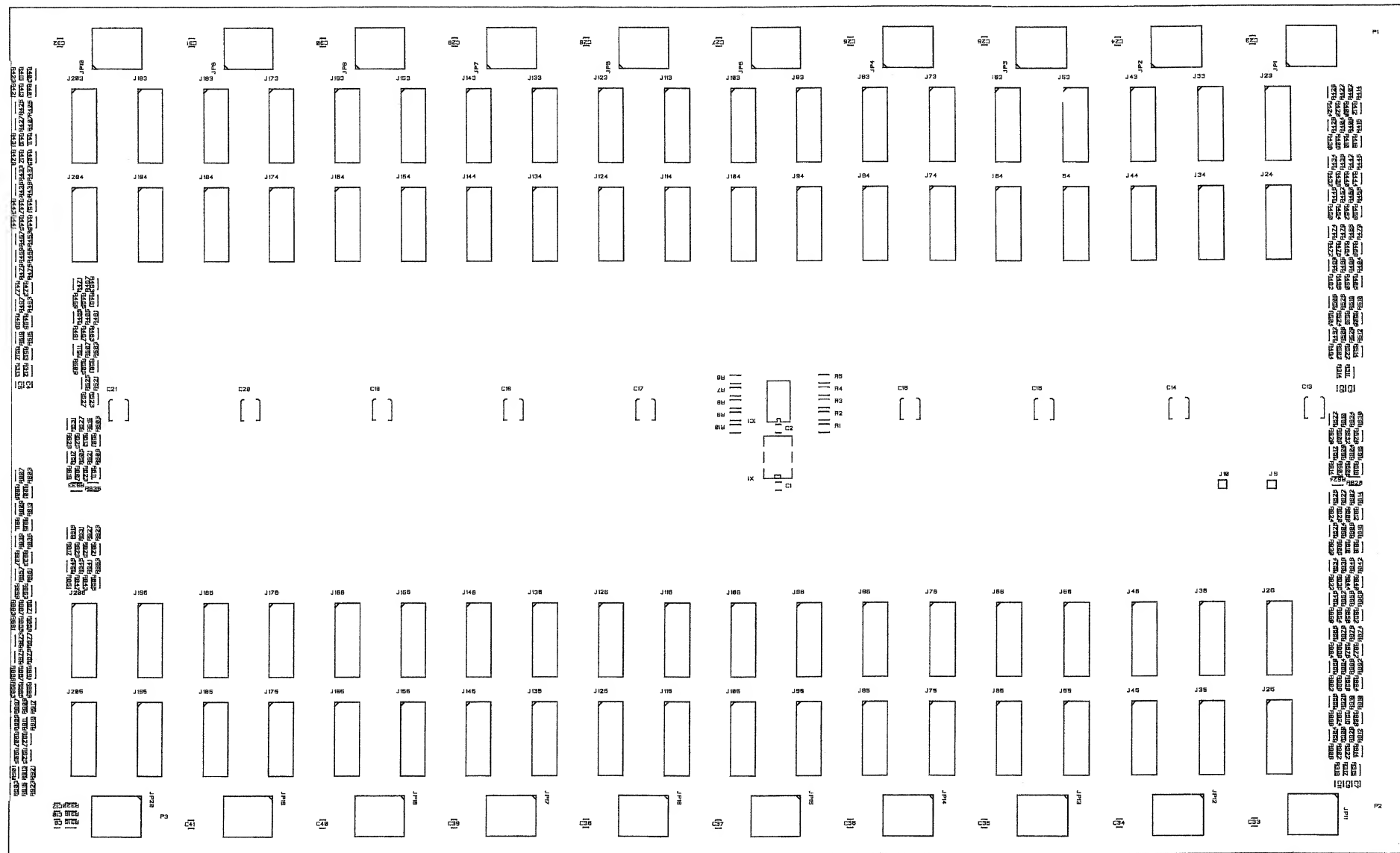


Core Back Plane 1.950.650.00



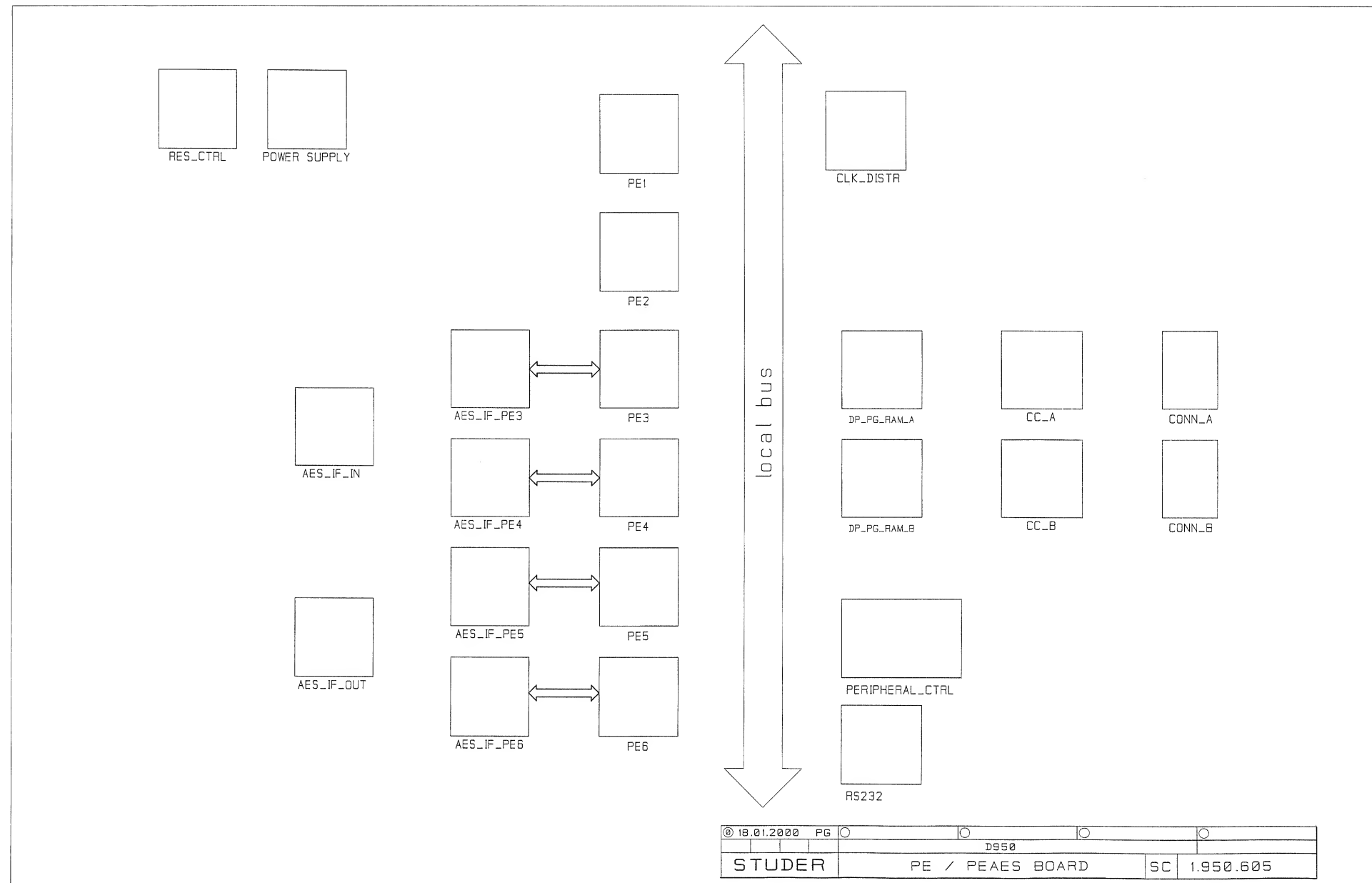
Core Back Plane 1.950.650.00

Solder side

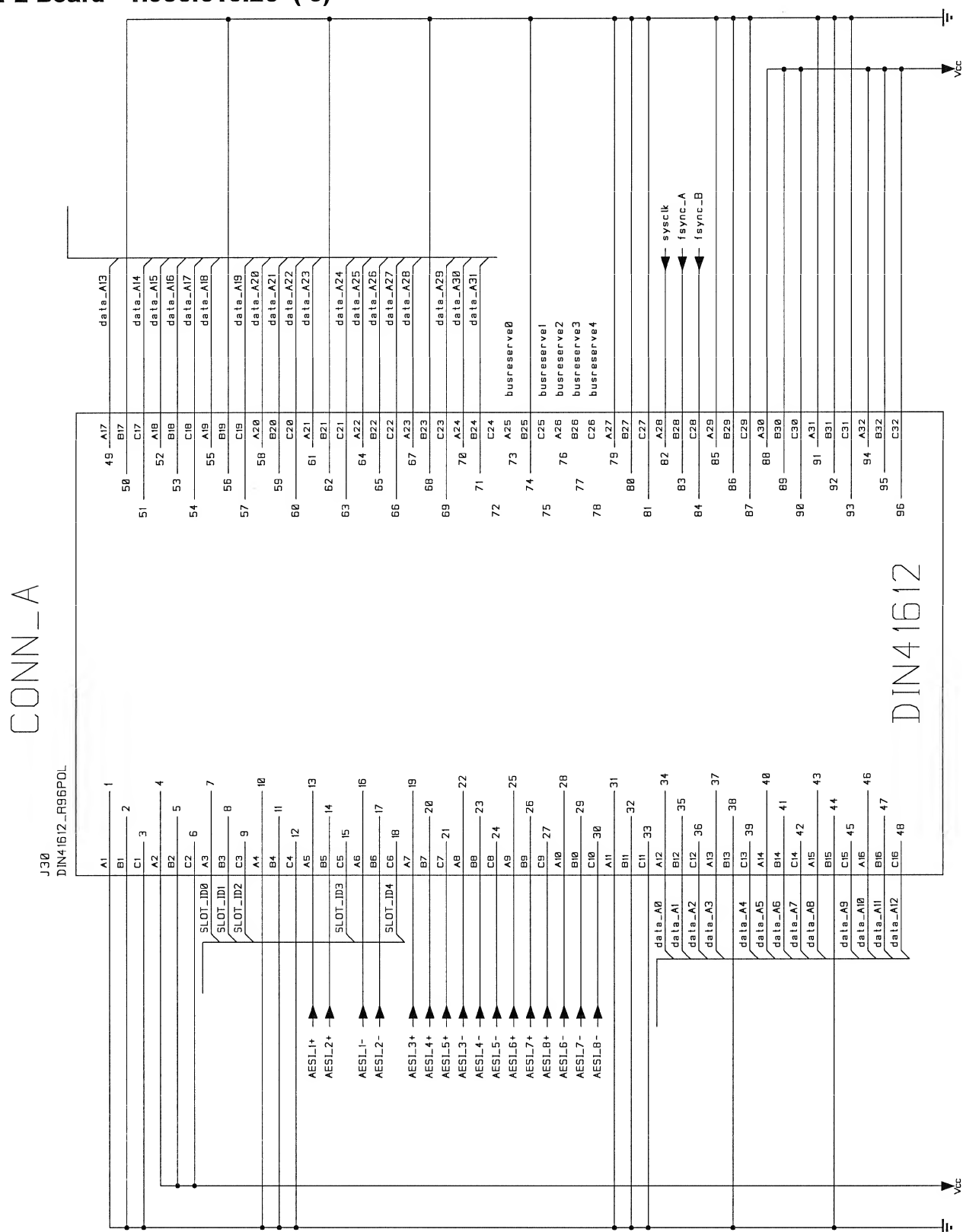


DIAGRAMS PE/PEAES BOARD

	Assembly No.	Diagram	Component Layout	Parts List
<i>Block Diagram PEAES Board</i>	1.950.605	-	-	-
<i>Block Diagram PE Board</i>	1.950.610			
PEAES Board	1.950.605.26	1.950.605.26	1.950.605.26	1.950.605.26
PE Board	1.950.610.26		1.950.610.26	1.950.610.26



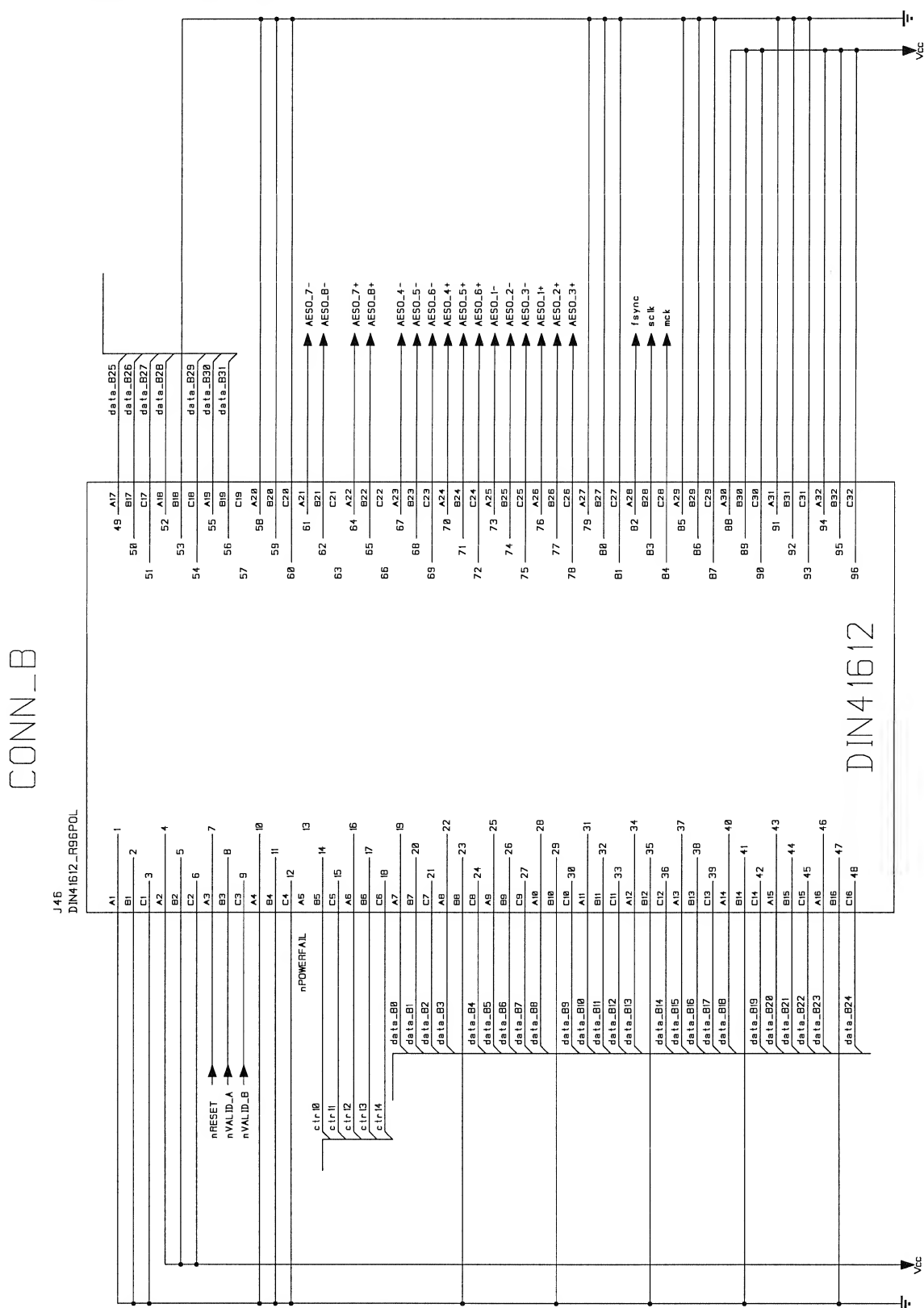
PE Board 1.950.610.26 (0)



④ 14.11.2002 PG				○	○	○	○
				PAGE 1 of 23			
STUDER				PE / PEAES BOARD			1.950.605.26

PEAES Board 1.950.605.26 (0)

PE Board 1.950.610.26 (0)



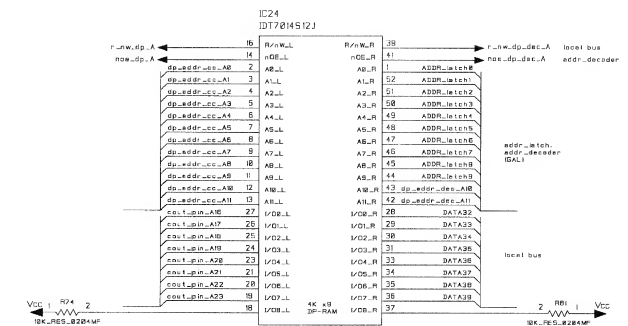
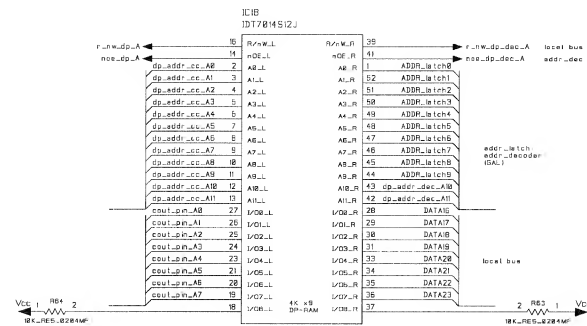
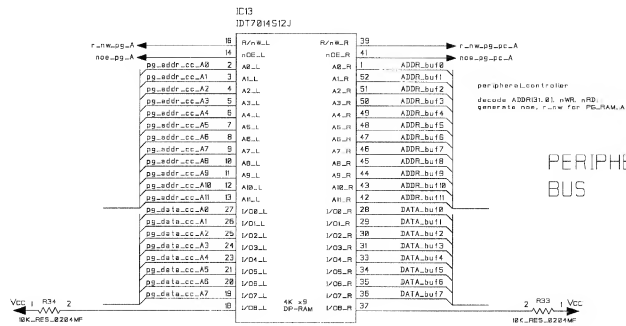
CC A



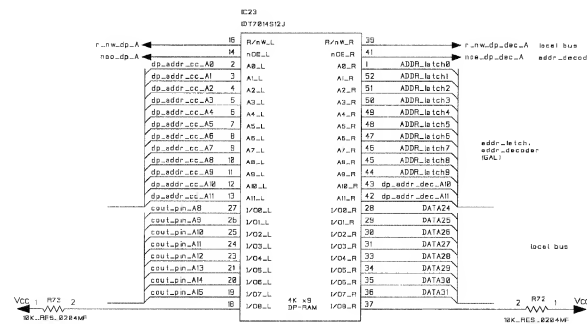
PEAES Board 1.950.605.26 (0), PE Board 1.950.610.26 (0)

PG_RAM_A

DP_RAM_A

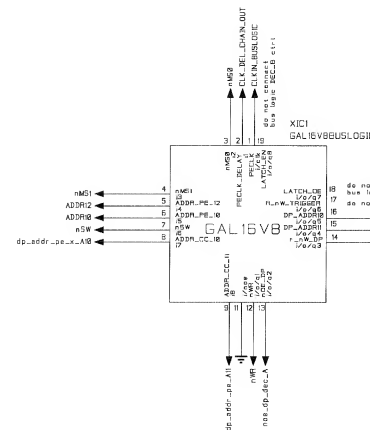


DP_RAM_A/B:
 nMS0 -> DP_A/B read
 nMS1 -> DP_A/B write

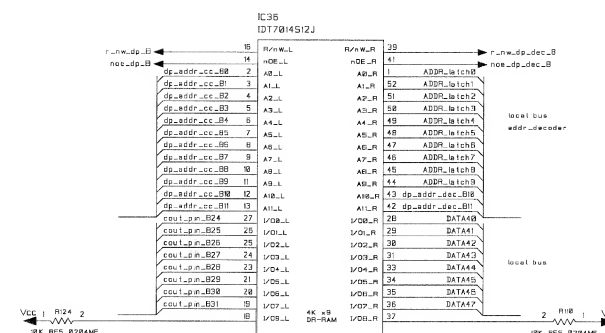
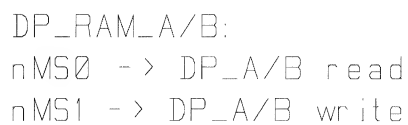


ADDR_DECODER_A

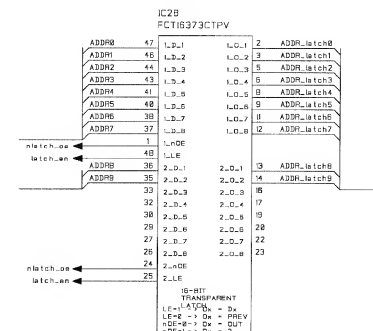
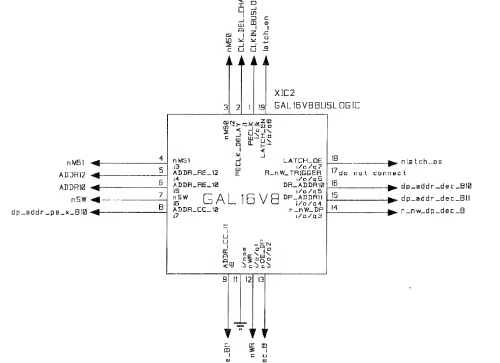
- >PG_bitmap_A offset: 0x30400fff
- >ccmode_A: 0x30400ffe
- >PG_bitmap_B offset: 0x30401fff
- >ccmode_B: 0x30401ffe



PG_RAM_B



```
->PG_bitmap_B offset: 0x30401fff
->ccmode_B: 0x30401ffe
```



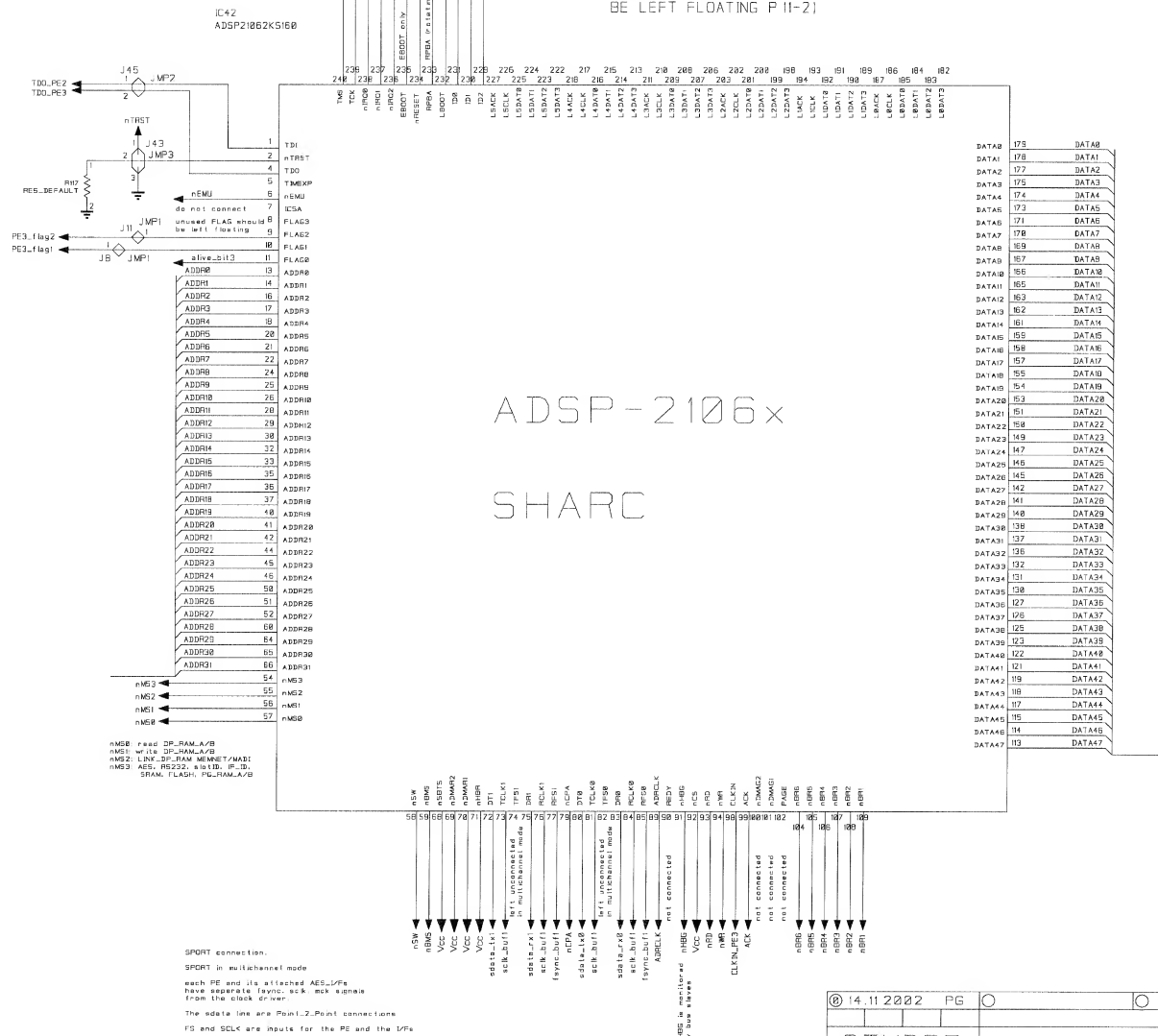
PEAES Board 1.950.605.26 (0), PE Board 1.950.610.26 (0)

$$PE_ID3[0..2]=b110$$

PE_3

LINK PORTS ARE NOT USED
AND ARE OMITTED TO
FACILITATE PCB_ROUTING

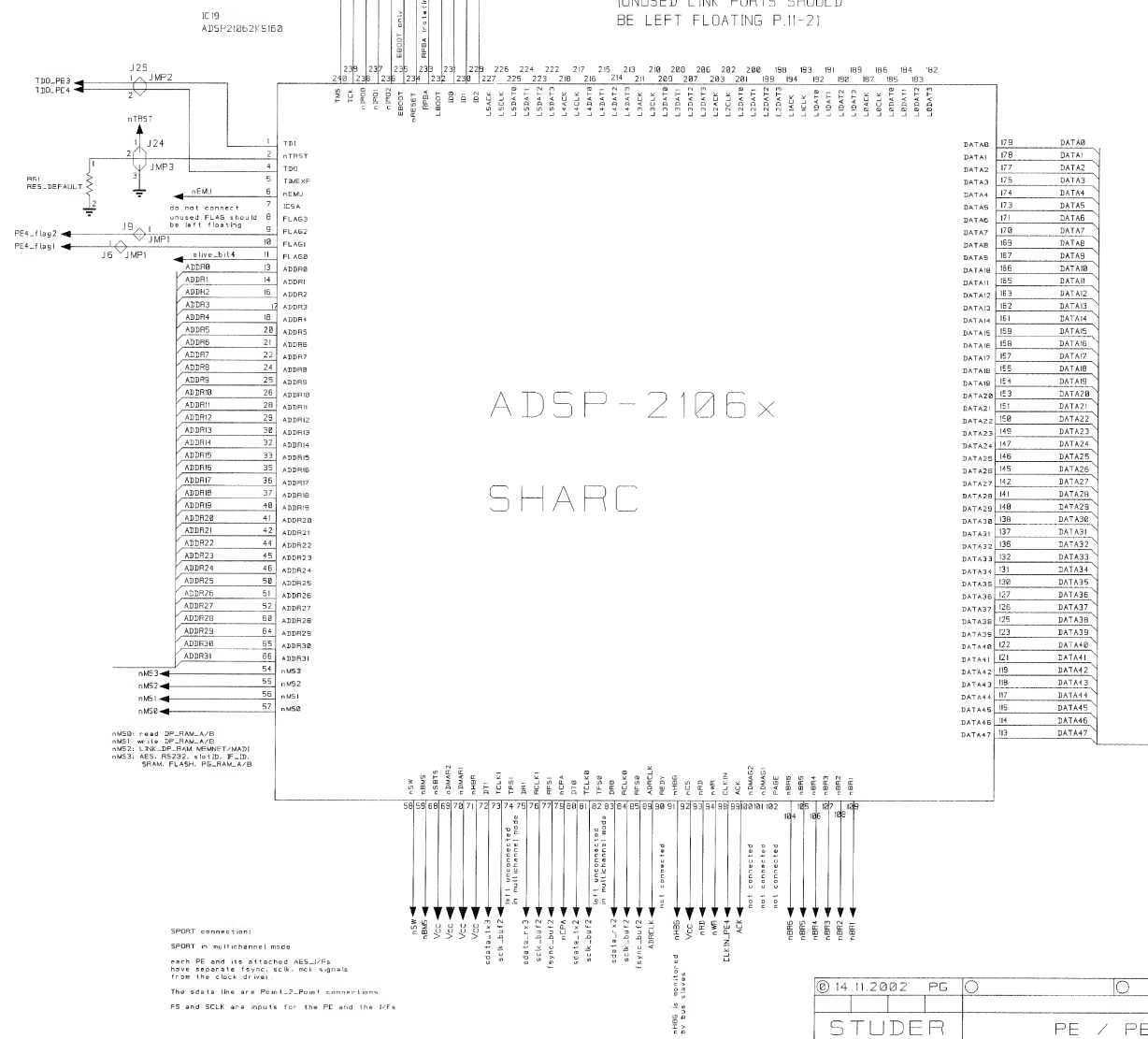
(UNUSED LINK PORTS SHOULD
BE LEFT FLOATING P 11-2)



PE_ID4[0..2]=b001

PE.4

(UNUSED LINK PORTS SHOULD
BE LEFT FLOATING P.11-2)



PE_ID5[0..2]=b101

PE_5



ADSP-2106x
SHARC

SPORT connection:

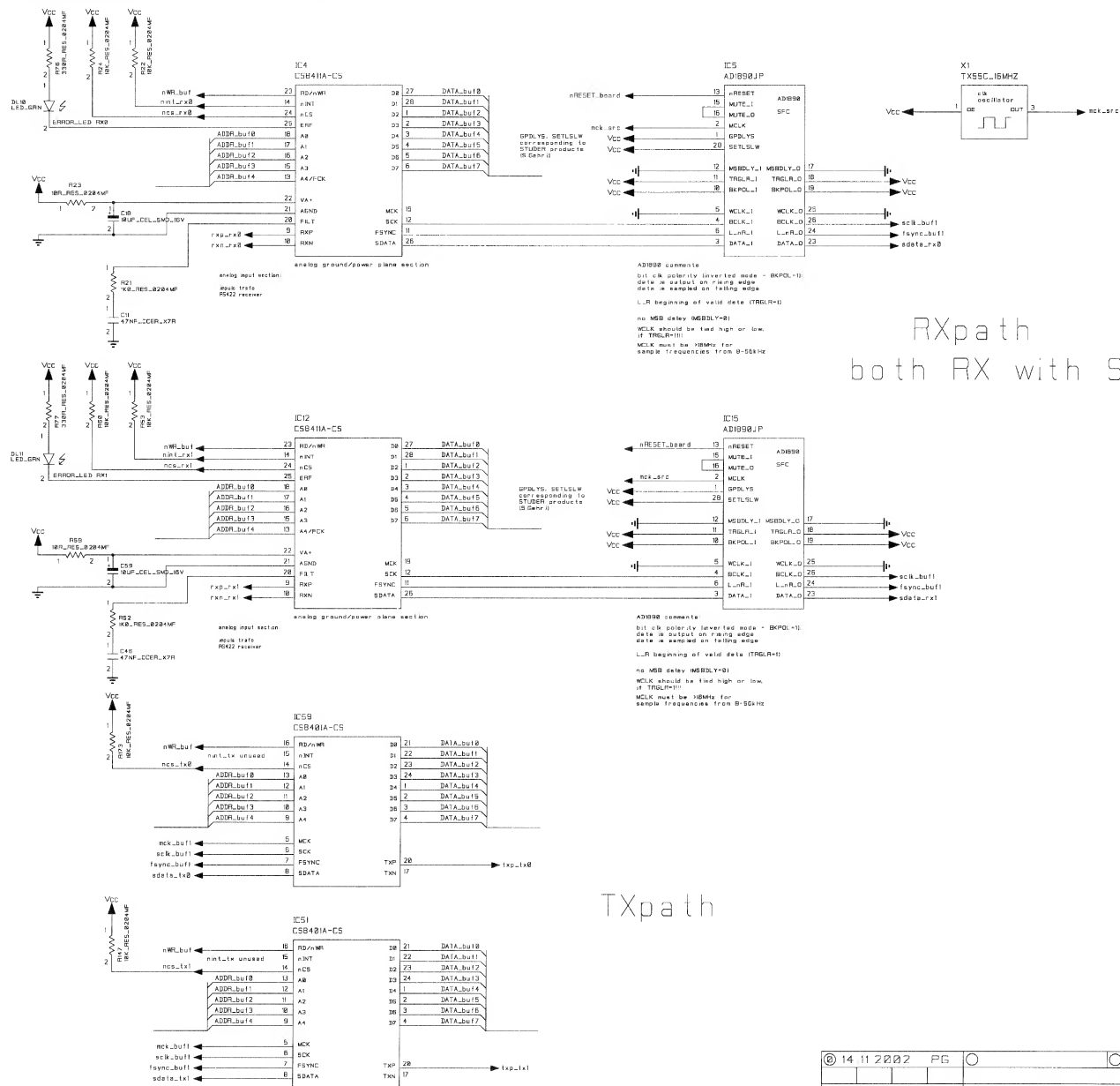
SPORT in multichannel mode

each PE and its attached AES-I/Fs have separate /sync, /clk, /nck signals from the clock driver.

The /sdata line are Point-to-Point connections

/FS and /CLK are inputs for the PE and the I/Fs

PEAES Board 1.950.605.26 (0), PE Board 1.950.610.26 (0)



AES_IF_PE3

RX0; RX1

SRC0; SRC1

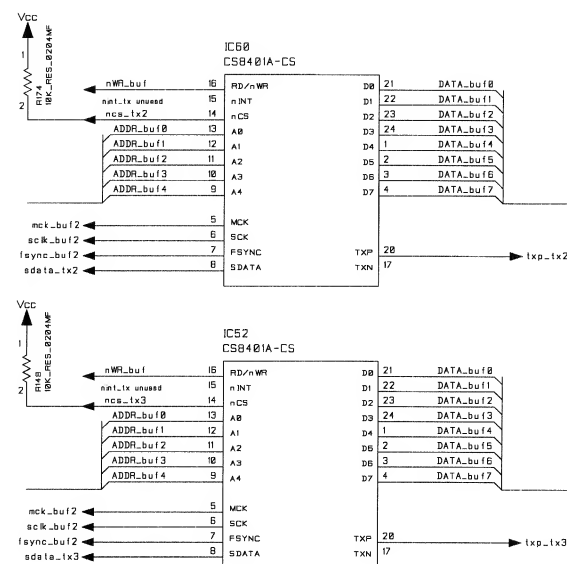
TX0; TX1

```

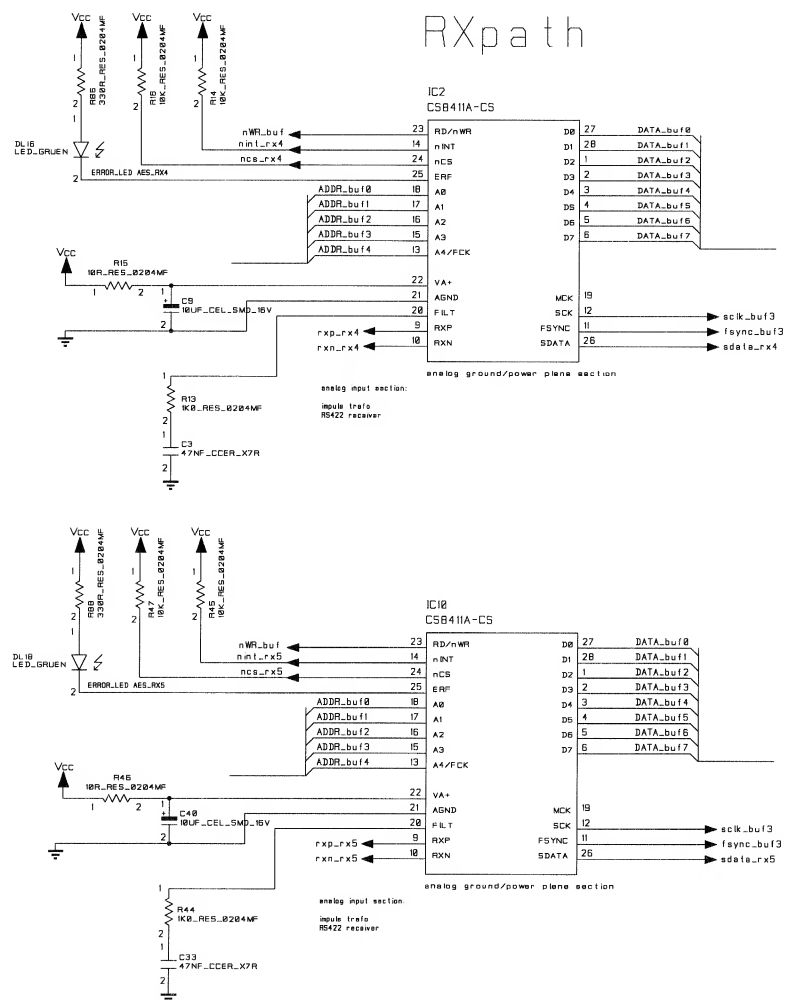
RXpath
both RX with SRC!!

```

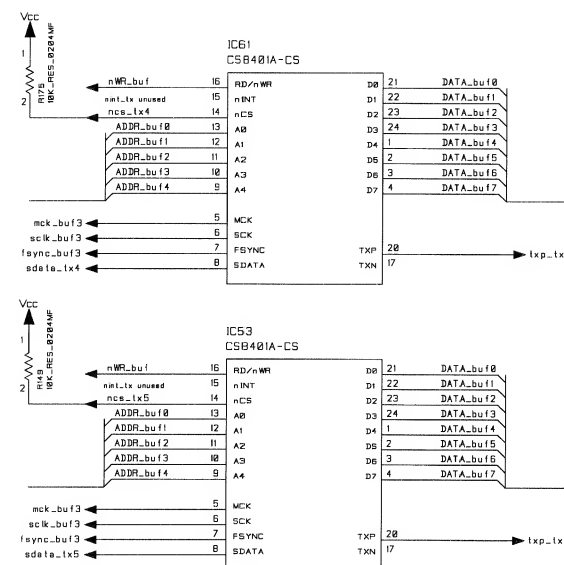
TX2; TX3



PEAES Board 1.950.605.26 (0), PE Board 1.950.610.26 (0)



TXpath

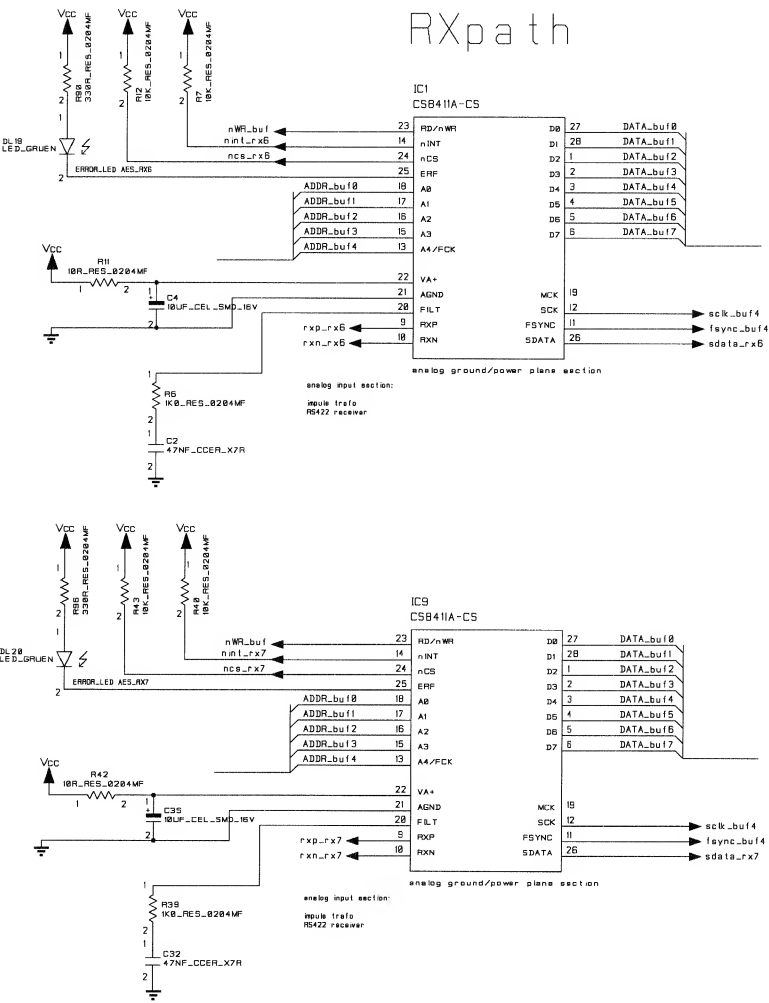


AES_IF_PE5

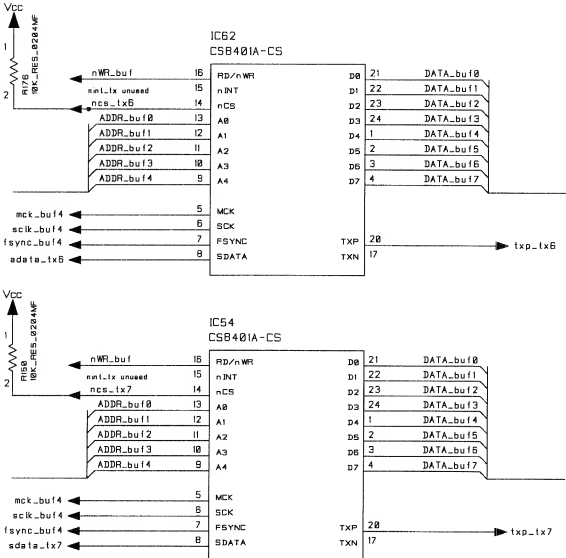
RX4; RX5

TX4; TX5

PEAES Board 1.950.605.26 (0), PE Board 1.950.610.26 (0)



TXpath

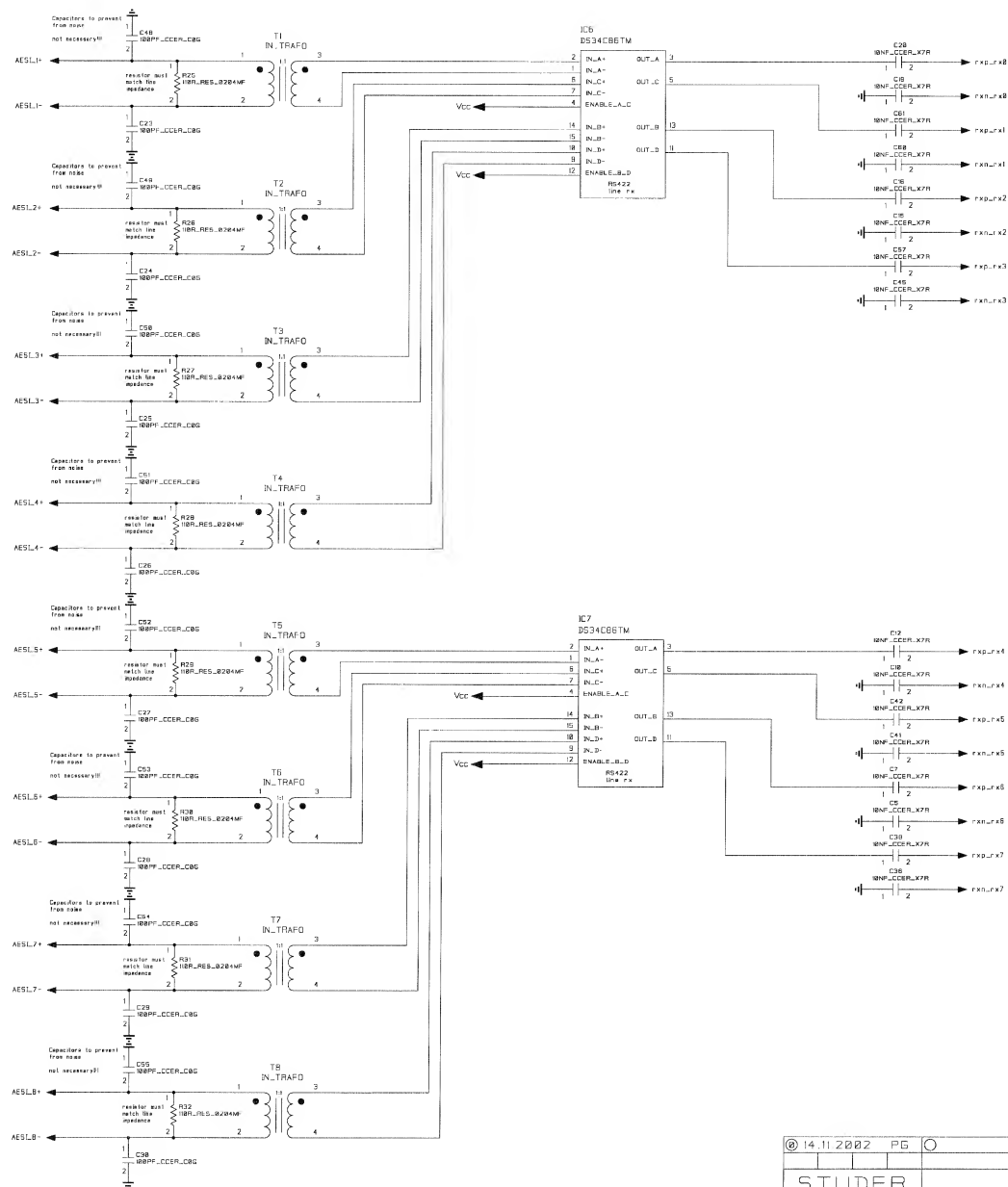


AES_IF_PE6

RX6; RX7

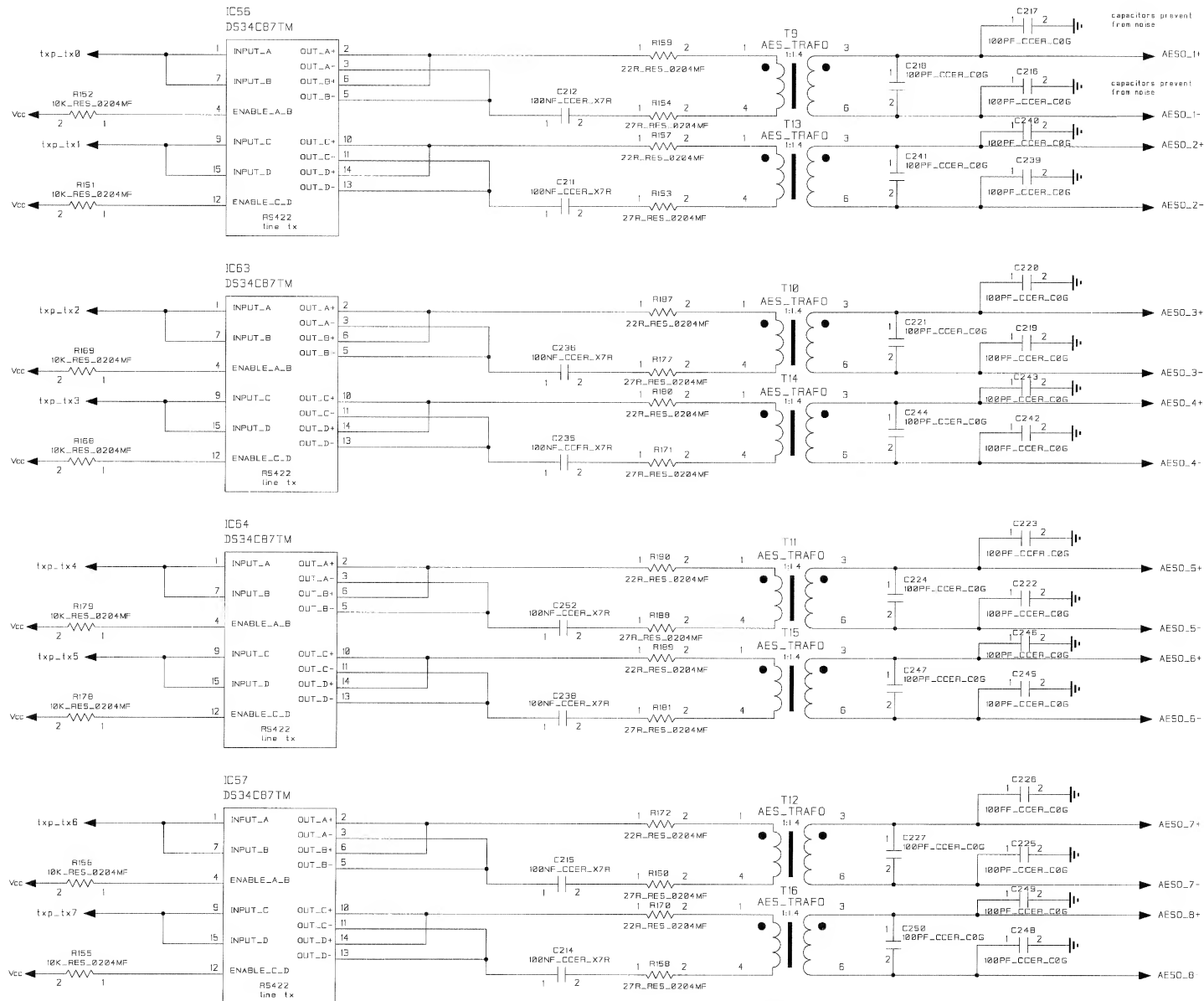
TX6; TX7

PEAES Board 1.950.605.26 (0), PE Board 1.950.610.26 (0)



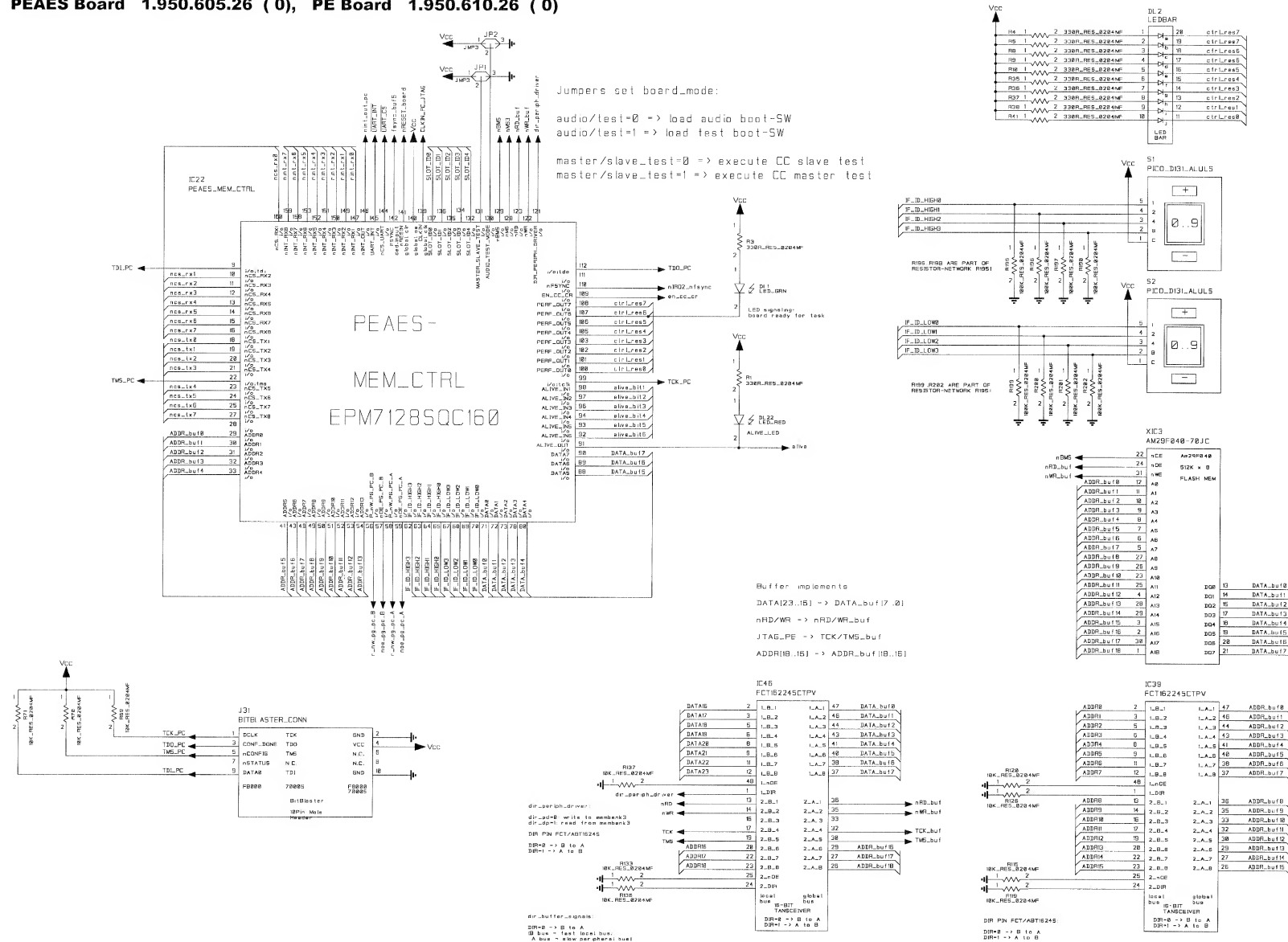
AES_IF_IN

PEAES Board 1.950.605.26 (0), PE Board 1.950.610.26 (0)



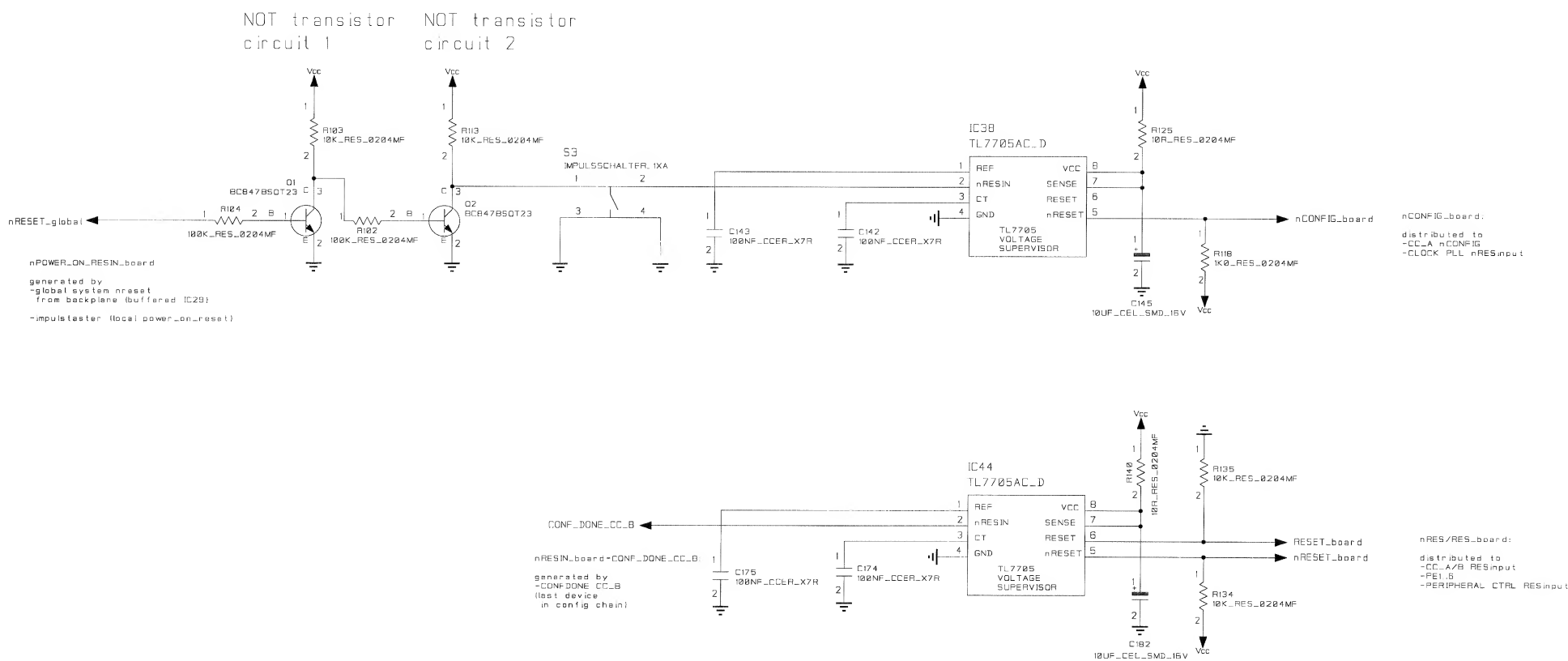
AES_IF_OUT

PEAES Board 1.950.605.26 (0), PE Board 1.950.610.26 (0)



PERIPH_CTRL/BUS

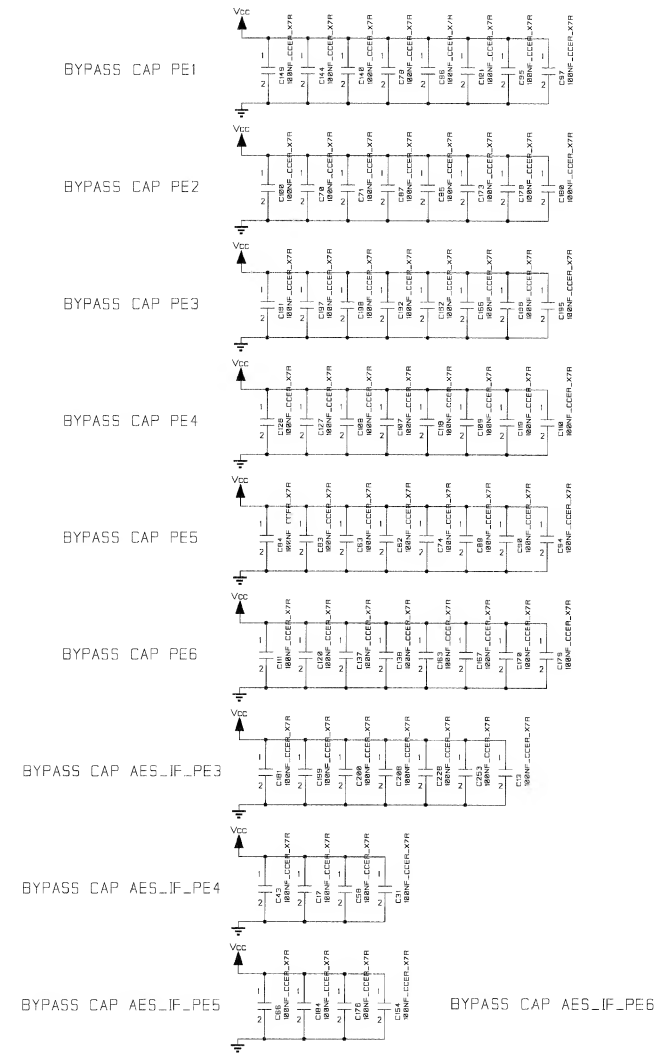
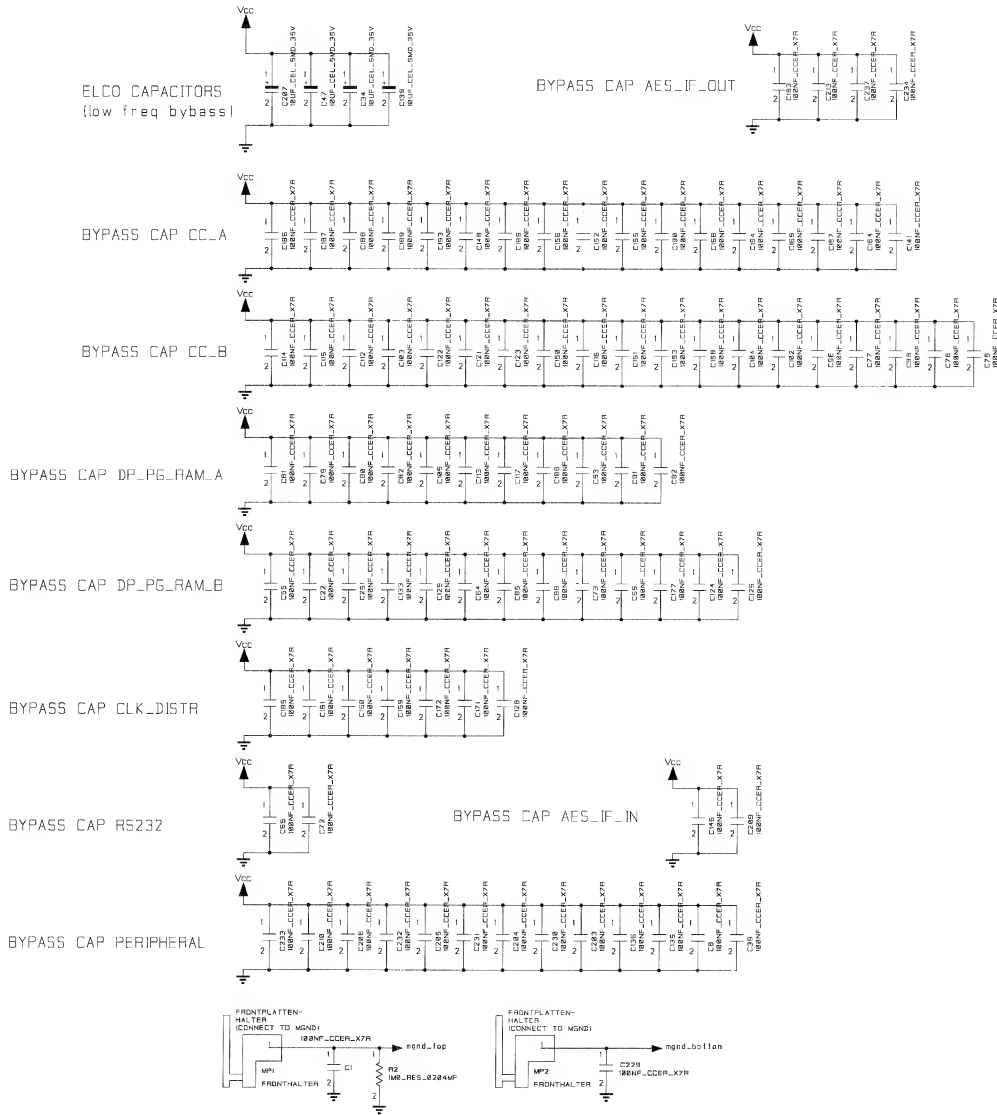
RESET CONTROLLER



RS232



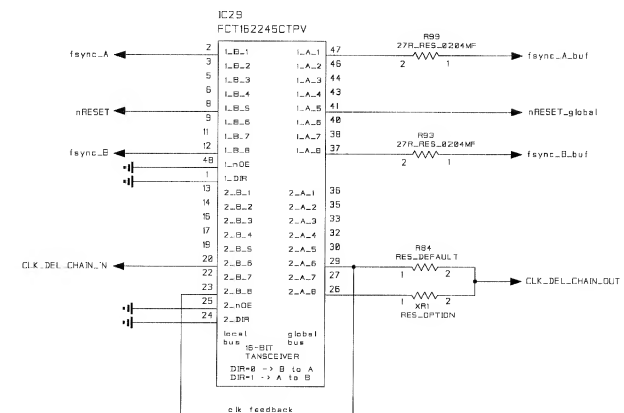
PEAES Board 1.950.605.26 (0), PE Board 1.950.610.26 (0)



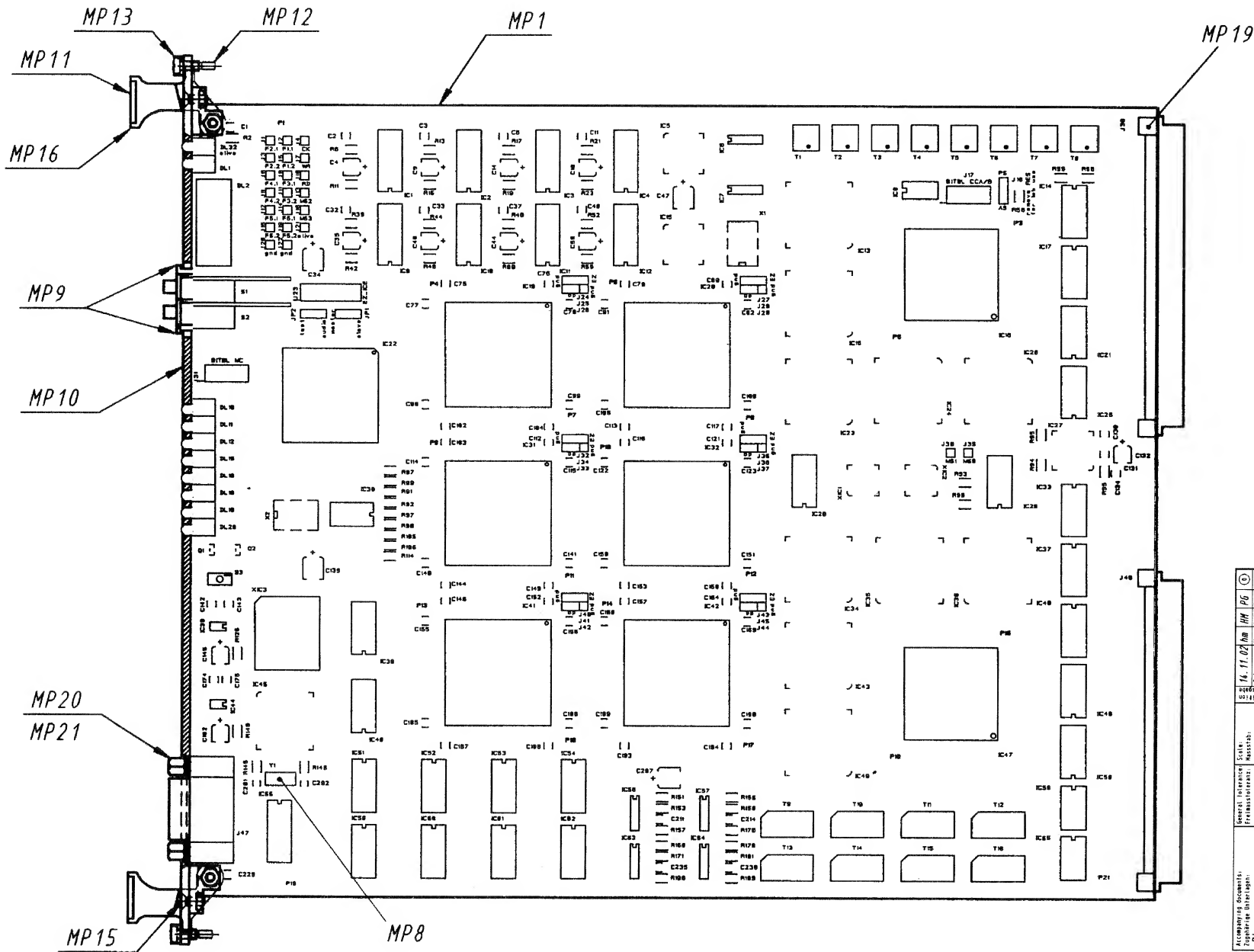
CLOCK_DISTR



(line impedance $< > 50 \text{ Ohm}$)



PEAES Board 1.950.605.26 (0) (Component Side)

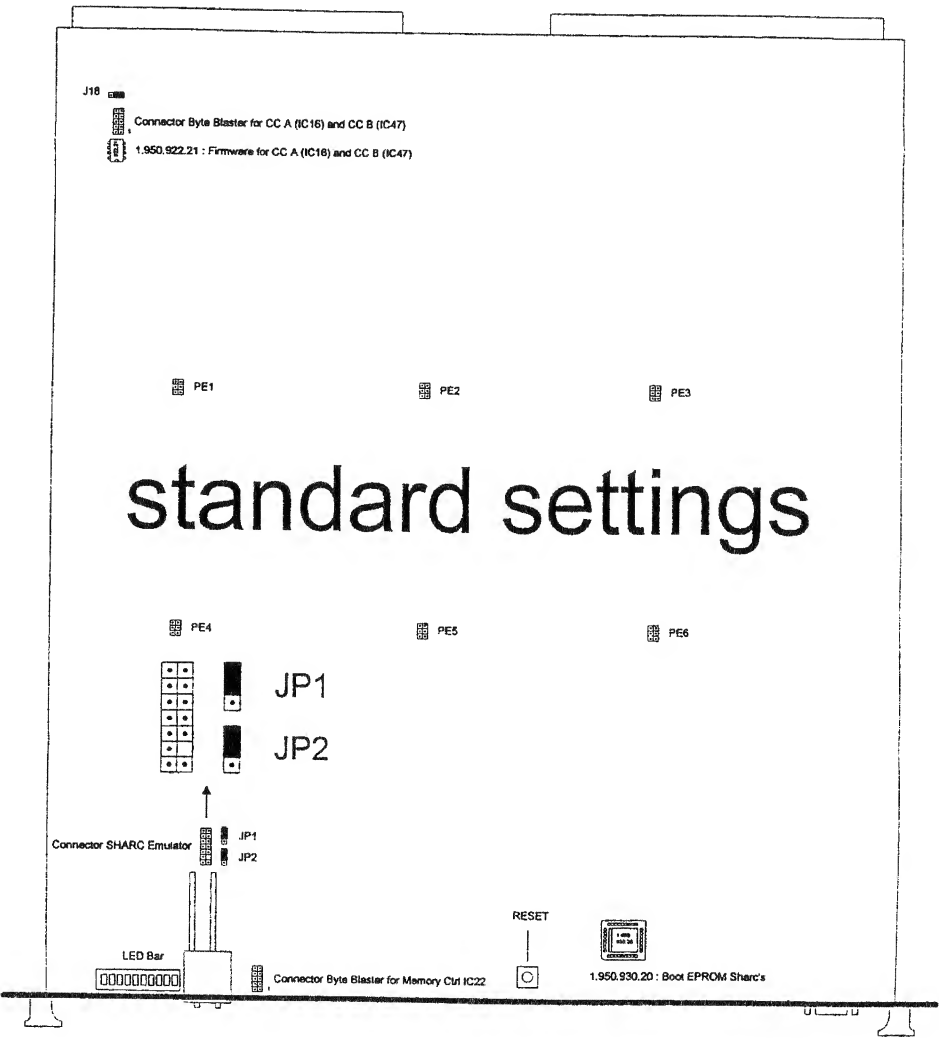


Approved by: Signature: _____ Date: _____	Checked by: Signature: _____ Date: _____	Released by: Signature: _____ Date: _____	Original Size: A3	Page: 1/3	Drawing No.: 1.950.605-26					
STUDER PEAES Board ESE										
REVISIONS										

Diagram illustrating the layout of a document page, showing the positions of various elements (e.g., text, figures, tables) and their corresponding coordinates (e.g., R1, R2, R3, C1, C2, C3).

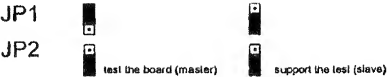
[illegible]

PEAES Board 1.950.605.26 (0) (Jumper Setting)



Settings for lab use

Jumper settings for board test



Jumper settings Byte Blaster (IC16 and IC47)

If you want to program the Altera with the Byte Blaster, you first have to remove R5B



Jumper settings using the SHARC Emulator

If you want to access a PE with the Emulator, you first have to remove the corresponding resistors
((R62 to access PE1) (R80 PE2) (R117 PE4) (R61 PE4) (R79 PE5) (R116 PE6)

		access by the Emulator	
		yes	no
resistor in place	yes		
	no		

Accompanying documents: Zugehörige Unterlagen:	General tolerance: Freimasstoleranz:	Scale: Massstab:	Edition Ausgabe	14.11.02	hm	HM	PG	①
PL	±		Date Datum	Visa Bez.	Checked Gepr.	Seen Ges.	Index	
Substitute for: Ersatz für:	Original Size: Originalformat:	Replaced by: Ersetzt durch:	Number: Nummer:	3/3	Page: Seite:	3/3		
STUDER REGENSDORF	PEAES Board	ESE	1.950.605-26					

PEAES Board 1.950.605.26 (0)

Page: 3 of 4

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 J20	not used	1p		Pin, freihig, gerade
0 J21	not used	1p		Pin, freihig, gerade
0 J22	not used	1p		Pin, freihig, gerade
0 J23	54.01.0020 14 pcs	1p		Pin, freihig, gerade
0 J24	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 J25	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J26	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J27	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 J28	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J29	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J30	54.11.2009 1 pce	96p		EU-R 3*32p
0 J31	54.01.0020 10 pcs	1p		Pin, freihig, gerade
0 J32	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 J33	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J34	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J35	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 J36	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J37	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J38	not used	1p		Pin, freihig, gerade
0 J39	not used	1p		Pin, freihig, gerade
0 J40	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 J41	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J42	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J43	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 J44	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J45	54.01.0020 0 pce	1p		Pin, freihig, gerade
0 J46	54.11.2009 1 pce	96p		EU-R 3*32p
0 J47	54.13.0071 1 pce	9p		D-Sub, PCB, Winkel
0 J48	54.01.0021 2 pcs	Jumper		0.63*0.63mm, Au
0 JP1	54.01.0020 3 pcs	1p		Pin, freihig, gerade
0 JP2	54.01.0020 3 pcs	1p		Pin, freihig, gerade
0 MP1	1.950.605.12 1 pce			PEAES PCB
0 MP2	1.950.605.04 1 pce			TYPENSCHILD
0 MP3	43.01.0108 1 pce	Label		ESE-WARNSCHILD
0 MP4	1.101.001.26 1 pce			TEXT-ETIK. 5*20 HARDWARE -26
0 MP5	1.950.605.10 1 pce			BAUGRUPPENSCHILD 10x80
0 MP8	89.01.1499 1 pce			QUARZ - ISOLIERPLATTE
0 MP9	55.12.1122 1 pce			Seitenwand
0 MP10	1.950.605.01 1 pce			FRONTPLATTE PEAES
0 MP11	1.940.600.05 2 pcs			GRIFFEINLAGE 4TE
0 MP12	49.02.0524 2 pcs	M2.5*12		Schraube spezial
0 MP13	49.02.0521 2 pcs			Metall-Buchse (Rack)
0 MP15	not used 2 pcs	M2.5*7		Senk-Schr, KS, Senkripp
0 MP16	49.02.0514 1 pce	4TE		Frontplatten-Griffsatz
0 MP19	28.99.0119 4 pcs			ROHRNIETE D 2.5*0.15" 9
0 MP20	54.13.0081 2 pcs	4.85mm		Bolzen UNC 4-40
0 MP21	24.16.2030 2 pcs	3.2/6.0		Fächerscheibe Form A
0 Q1	50.60.0001	BC847B		NPN 45V 100mA SOT 23
0 Q2	50.60.0001	BC847B		NPN 45V 100mA SOT 23
0 R1	57.60.1331	330R		MF, 1%, 0204, E24
0 R2	57.60.1105	1M		MF, 1%, 0204, E24
0 R3	57.60.1331	330R		MF, 1%, 0204, E24
0 R4	57.60.1331	330R		MF, 1%, 0204, E24
0 R5	57.60.1331	330R		MF, 1%, 0204, E24
0 R6	57.60.1102	1k0		MF, 1%, 0204, E24
0 R7	57.60.1103	10k		MF, 1%, 0204, E24
0 R8	57.60.1331	330R		MF, 1%, 0204, E24
0 R9	57.60.1331	330R		MF, 1%, 0204, E24
0 R10	57.60.1331	330R		MF, 1%, 0204, E24
0 R11	57.60.1100	10R		MF, 1%, 0204, E24
0 R12	57.60.1103	10k		MF, 1%, 0204, E24
0 R13	57.60.1102	1k0		MF, 1%, 0204, E24
0 R14	57.60.1103	10k		MF, 1%, 0204, E24
0 R15	57.60.1100	10R		MF, 1%, 0204, E24
0 R16	57.60.1103	10k		MF, 1%, 0204, E24
0 R17	57.60.1102	1k0		MF, 1%, 0204, E24
0 R18	57.60.1103	10k		MF, 1%, 0204, E24
0 R19	57.60.1100	10R		MF, 1%, 0204, E24
0 R20	57.60.1103	10k		MF, 1%, 0204, E24
0 R21	57.60.1102	1k0		MF, 1%, 0204, E24
0 R22	57.60.1103	10k		MF, 1%, 0204, E24
0 R23	57.60.1100	10R		MF, 1%, 0204, E24
0 R24	57.60.1103	10k		MF, 1%, 0204, E24
0 R25	57.60.1111	110R		MF, 1%, 0204, E24
0 R26	57.60.1111	110R		MF, 1%, 0204, E24
0 R27	57.60.1111	110R		MF, 1%, 0204, E24
0 R28	57.60.1111	110R		MF, 1%, 0204, E24
0 R29	57.60.1111	110R		MF, 1%, 0204, E24
0 R30	57.60.1111	110R		MF, 1%, 0204, E24
0 R31	57.60.1111	110R		MF, 1%, 0204, E24
0 R32	57.60.1111	110R		MF, 1%, 0204, E24
0 R33	57.60.1103	10k		MF, 1%, 0204, E24
0 R34	57.60.1103	10k		MF, 1%, 0204, E24
0 R35	57.60.1331	330R		MF, 1%, 0204, E24
0 R36	57.60.1331	330R		MF, 1%, 0204, E24
0 R37	57.60.1331	330R		MF, 1%, 0204, E24
0 R38	57.60.1331	330R		MF, 1%, 0204, E24

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R39	57.60.1102	1k0		MF, 1%, 0204, E24
0 R40	57.60.1103	10k		MF, 1%, 0204, E24
0 R41	57.60.1331	330R		MF, 1%, 0204, E24
0 R42	57.60.1100	10R		MF, 1%, 0204, E24
0 R43	57.60.1103	10k		MF, 1%, 0204, E24
0 R44	57.60.1102	1k0		MF, 1%, 0204, E24
0 R45	57.60.1103	10k		MF, 1%, 0204, E24
0 R46	57.60.1100	10R		MF, 1%, 0204, E24
0 R47	57.60.1103	10k		MF, 1%, 0204, E24
0 R48	57.60.1102	1k0		MF, 1%, 0204, E24
0 R49	57.60.1103	10k		MF, 1%, 0204, E24
0 R50	57.60.1100	10R		MF, 1%, 0204, E24
0 R51	57.60.1103	10k		MF, 1%, 0204, E24
0 R52	57.60.1102	1k0		MF, 1%, 0204, E24
0 R53	57.60.1103	10k		MF, 1%, 0204, E24
0 R54	57.60.1102	1k0		MF, 1%, 0204, E24
0 R55	57.60.1103	10k		MF, 1%, 0204, E24
0 R56	57.60.1331	330R		MF, 1%, 0204, E24
0 R57	57.60.1102	1k0		MF, 1%, 0204, E24
0 R58	57.60.1109	1R		MF, 1%, 0204, E24
0 R59	57.60.1100	10R		MF, 1%, 0204, E24
0 R60	57.60.1103	10k		MF, 1%, 0204, E24
0 R61	57.60.1109	1R		MF, 1%, 0204, E24
0 R62	57.60.1109	1R		MF, 1%, 0204, E24
0 R63	57.60.1103	10k		MF, 1%, 0204, E24
0 R64	57.60.1103	10k		MF, 1%, 0204, E24
0 R65	57.60.1680	68R		MF, 1%, 0204, E24
0 R66	57.60.1181	180R		MF, 1%, 0204, E24
0 R67	57.60.1680	68R		MF, 1%, 0204, E24
0 R68	57.60.1181	180R		MF, 1%, 0204, E24
0 R69	57.60.1103	10k		MF, 1%, 0204, E24
0 R70	57.60.1103	10k		MF, 1%, 0204, E24
0 R71	57.60.1103	10k		MF, 1%, 0204, E24
0 R72	57.60.1103	10k		MF, 1%, 0204, E24
0 R73	57.60.1103	10k		MF, 1%, 0204, E24
0 R74	57.60.1103	10k		MF, 1%, 0204, E24
0 R75	57.60.1103	10k		MF, 1%, 0204, E24
0 R76	57.60.1331	330R		MF, 1%, 0204, E24
0 R77	57.60.1331	330R		MF, 1%, 0204, E24
0 R78	57.60.1331	330R		MF, 1%, 0204, E24
0 R79	57.60.1109	1R		MF, 1%, 0204, E24
0 R80	57.60.1109	1R		MF, 1%, 0204, E24
0 R81	57.60.1103	10k		MF, 1%, 0204, E24
0 R82	57.60.1103	10k		MF, 1%, 0204, E24
0 R83	57.60.1331	330R		MF, 1%, 0204, E24
0 R84	57.60.1109	1R		MF, 1%, 0204, E24
0 R85	57.60.1270	27R		MF, 1%, 0204, E24
0 R86	57.60.1331	330R		MF, 1%, 0204, E24
0 R87	57.60.1270	27R		MF, 1%, 0204, E24
0 R88	57.60.1331	330R		MF, 1%, 0204, E24
0 R89	57.60.1270	27R		MF, 1%, 0204, E24
0 R90	57.60.1331	330R		MF, 1%, 0204, E24
0 R91	57.60.1270	27R		MF, 1%, 0204, E24
0 R92	57.60.1270	27R		MF, 1%, 0204, E24
0 R93	57.60.1270	27R		MF, 1%, 0204, E24
0 R94	57.60.1270	27R		MF, 1%, 0204, E24
0 R95	57.60.1270	27R		MF, 1%, 0204, E24
0 R96	57.60.1331	330R		MF, 1%, 0204, E24
0 R97	57.60.1270	27R		MF, 1%, 0204, E24
0 R98	57.60.1270	27R		MF, 1%, 0204, E24
0 R99	57.60.1270	27R		MF, 1%, 0204, E24
0 R100	57.60.1331	330R		MF, 1%, 0204, E24
0 R101	57.60.1103	10k		MF, 1%, 0204, E24
0 R102	57.60.1104	100k		MF, 1%, 0204, E24
0 R103	57.60.1103	10k		MF, 1%, 0204, E24
0 R104	57.60.1104	100k		MF, 1%, 0204, E24
0 R105	57.60.1270	27R		MF, 1%, 0204, E24
0 R106	57.60.1270	27R		MF, 1%, 0204, E24
0 R107	57.60.1103	10k		MF, 1%, 0204, E24
0 R108	57.60.1103	10k		MF, 1%, 0204, E24
0 R109	57.60.1103	10k		MF, 1%, 0204, E24
0 R110	57.60.1103	10k		MF, 1%, 0204, E24
0 R111	57.60.1331	330R		MF, 1%, 0204, E24
0 R112	57.60.1103	10k		MF, 1%, 0204, E24
0 R113	57.60.1103	10k		MF, 1%, 0204, E24
0 R114	57.60.1270	27R		MF, 1%, 0204, E24
0 R115	57.60.1103	10k		MF, 1%, 0204, E24
0 R116	57.60.1109	1R		MF, 1%, 0204, E24
0 R117	57.60.1109	1R		MF, 1%, 0204, E24
0 R118	57.60.1102	1k0		MF, 1%, 0204, E24
0 R119	57.60.1103	10k		MF, 1%, 0204, E24
0 R120	57.60.1103	10k		MF, 1%, 0204, E24
0 R121	57.60.1103	10k		MF, 1%, 0204, E24
0 R122	57.60.1103	10k		MF, 1%, 0204, E24
0 R123	57.60.1103	10k		MF, 1%, 0204, E24
0 R124	57.60.1103	10k		MF, 1%, 0204, E24
0 R125	57.60.1100	10R		MF, 1%, 0204, E24

PEAES Board 1.950.605.26 (0)

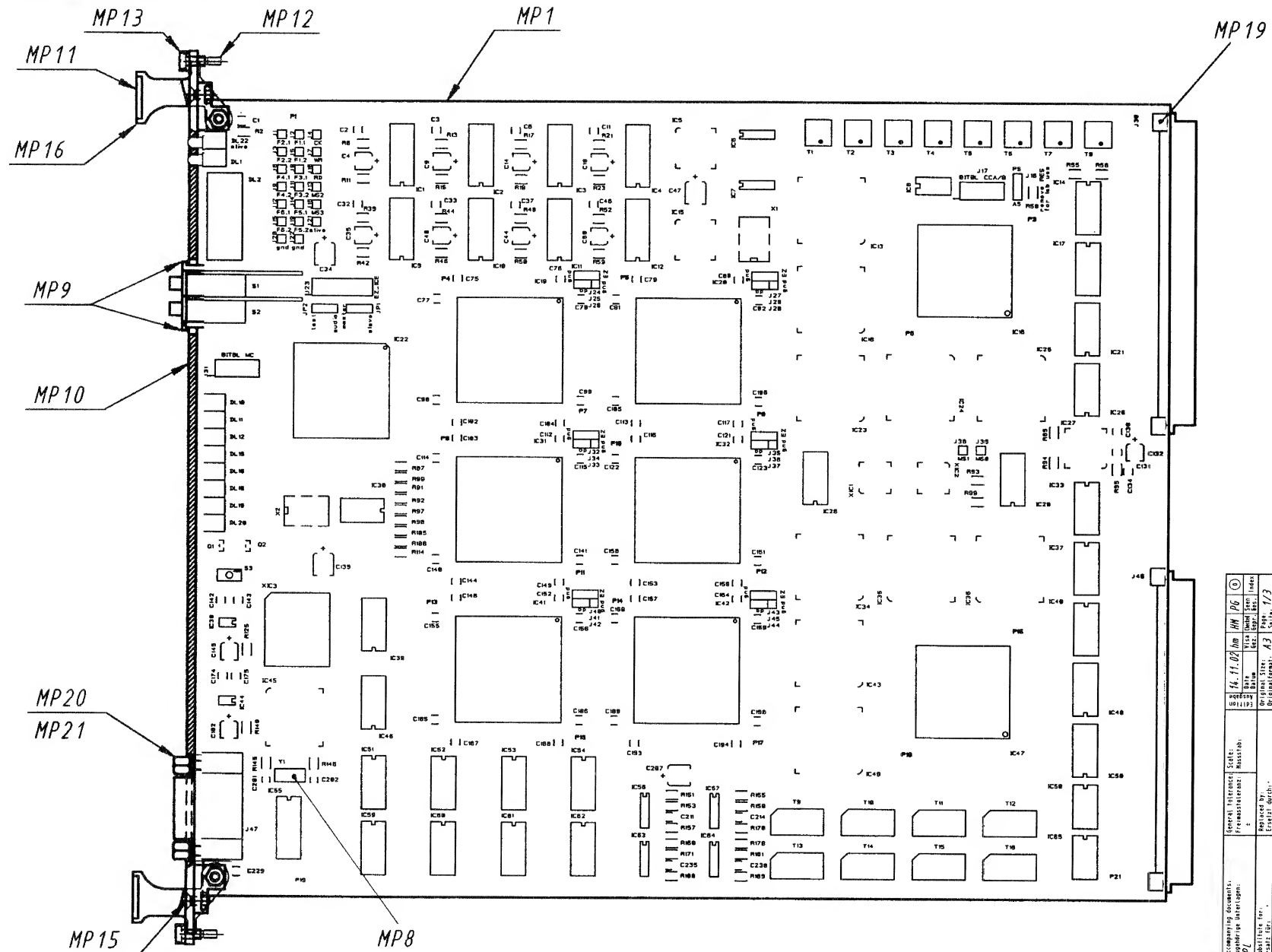
Page: 4 of 4

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 126	57.60.1103	10k		MF, 1%, 0204, E24
0	R 127	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 128	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 129	57.60.1103	10k		MF, 1%, 0204, E24
0	R 130	57.60.1103	10k		MF, 1%, 0204, E24
0	R 131	57.60.1103	10k		MF, 1%, 0204, E24
0	R 132	57.60.1103	10k		MF, 1%, 0204, E24
0	R 133	57.60.1103	10k		MF, 1%, 0204, E24
0	R 134	57.60.1103	10k		MF, 1%, 0204, E24
0	R 135	57.60.1103	10k		MF, 1%, 0204, E24
0	R 136	57.60.1103	10k		MF, 1%, 0204, E24
0	R 137	57.60.1103	10k		MF, 1%, 0204, E24
0	R 138	57.60.1103	10k		MF, 1%, 0204, E24
0	R 139	57.60.1103	10k		MF, 1%, 0204, E24
0	R 140	57.60.1100	10R		MF, 1%, 0204, E24
0	R 141	57.60.1181	180R		MF, 1%, 0204, E24
0	R 142	57.60.1680	68R		MF, 1%, 0204, E24
0	R 143	57.60.1181	180R		MF, 1%, 0204, E24
0	R 144	57.60.1680	68R		MF, 1%, 0204, E24
0	R 145	57.60.1152	1k5		MF, 1%, 0204, E24
0	R 146	57.60.1105	1M		MF, 1%, 0204, E24
0	R 147	57.60.1103	10k		MF, 1%, 0204, E24
0	R 148	57.60.1103	10k		MF, 1%, 0204, E24
0	R 149	57.60.1103	10k		MF, 1%, 0204, E24
0	R 150	57.60.1103	10k		MF, 1%, 0204, E24
0	R 151	57.60.1103	10k		MF, 1%, 0204, E24
0	R 152	57.60.1103	10k		MF, 1%, 0204, E24
0	R 153	57.60.1270	27R		MF, 1%, 0204, E24
0	R 154	57.60.1270	27R		MF, 1%, 0204, E24
0	R 155	57.60.1103	10k		MF, 1%, 0204, E24
0	R 156	57.60.1103	10k		MF, 1%, 0204, E24
0	R 157	57.60.1220	22R		MF, 1%, 0204, E24
0	R 158	57.60.1270	27R		MF, 1%, 0204, E24
0	R 159	57.60.1220	22R		MF, 1%, 0204, E24
0	R 160	57.60.1270	27R		MF, 1%, 0204, E24
0	R 161	57.60.1270	27R		MF, 1%, 0204, E24
0	R 162	57.60.1270	27R		MF, 1%, 0204, E24
0	R 163	57.60.1270	27R		MF, 1%, 0204, E24
0	R 164	57.60.1270	27R		MF, 1%, 0204, E24
0	R 165	57.60.1103	10k		MF, 1%, 0204, E24
0	R 166	57.60.1103	10k		MF, 1%, 0204, E24
0	R 167	57.60.1103	10k		MF, 1%, 0204, E24
0	R 168	57.60.1103	10k		MF, 1%, 0204, E24
0	R 169	57.60.1103	10k		MF, 1%, 0204, E24
0	R 170	57.60.1220	22R		MF, 1%, 0204, E24
0	R 171	57.60.1270	27R		MF, 1%, 0204, E24
0	R 172	57.60.1220	22R		MF, 1%, 0204, E24
0	R 173	57.60.1103	10k		MF, 1%, 0204, E24
0	R 174	57.60.1103	10k		MF, 1%, 0204, E24
0	R 175	57.60.1103	10k		MF, 1%, 0204, E24
0	R 176	57.60.1103	10k		MF, 1%, 0204, E24
0	R 177	57.60.1270	27R		MF, 1%, 0204, E24
0	R 178	57.60.1103	10k		MF, 1%, 0204, E24
0	R 179	57.60.1103	10k		MF, 1%, 0204, E24
0	R 180	57.60.1220	22R		MF, 1%, 0204, E24
0	R 181	57.60.1270	27R		MF, 1%, 0204, E24
0	R 182	57.60.1270	27R		MF, 1%, 0204, E24
0	R 183	57.60.1270	27R		MF, 1%, 0204, E24
0	R 184	57.60.1270	27R		MF, 1%, 0204, E24
0	R 185	57.60.1270	27R		MF, 1%, 0204, E24
0	R 186	57.60.1270	27R		MF, 1%, 0204, E24
0	R 187	57.60.1220	22R		MF, 1%, 0204, E24
0	R 188	57.60.1270	27R		MF, 1%, 0204, E24
0	R 189	57.60.1220	22R		MF, 1%, 0204, E24
0	R 190	57.60.1220	22R		MF, 1%, 0204, E24
0	R 191	57.60.1270	27R		MF, 1%, 0204, E24
0	R 192	57.60.1270	27R		MF, 1%, 0204, E24
0	R 193	57.60.1270	27R		MF, 1%, 0204, E24
0	R 194	57.60.1270	27R		MF, 1%, 0204, E24
0	R 195	57.60.1104	100k		MF, 1%, 0204, E24
0	R 196	57.60.1104	100k		MF, 1%, 0204, E24
0	R 197	57.60.1104	100k		MF, 1%, 0204, E24
0	R 198	57.60.1104	100k		MF, 1%, 0204, E24
0	R 199	57.60.1104	100k		MF, 1%, 0204, E24
0	R 200	57.60.1104	100k		MF, 1%, 0204, E24
0	R 201	57.60.1104	100k		MF, 1%, 0204, E24
0	R 202	57.60.1104	100k		MF, 1%, 0204, E24
0	R 203	57.60.1561	560R		MF, 1%, 0204, E24
0	R 204	57.60.1561	560R		MF, 1%, 0204, E24
0	R 205	57.60.1561	560R		MF, 1%, 0204, E24
0	R 206	57.60.1561	560R		MF, 1%, 0204, E24
0	R 207	57.60.1561	560R		MF, 1%, 0204, E24
0	R 208	57.60.1561	560R		MF, 1%, 0204, E24
0	R 209	57.60.1561	560R		MF, 1%, 0204, E24
0	R 210	57.60.1561	560R		MF, 1%, 0204, E24
0	R 211	57.60.1561	560R		MF, 1%, 0204, E24
0	R 212	57.60.1561	560R		MF, 1%, 0204, E24

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 213	57.60.1561		560R	MF, 1%, 0204, E24
0	R 214	57.60.1561		560R	MF, 1%, 0204, E24
0	R 215	57.60.1561		560R	MF, 1%, 0204, E24
0	R 216	57.60.1561		560R	MF, 1%, 0204, E24
0	R 217	57.60.1561		560R	MF, 1%, 0204, E24
0	R 218	57.60.1561		560R	MF, 1%, 0204, E24
0	R 219	57.60.1561		560R	MF, 1%, 0204, E24
0	R 220	57.60.1561		560R	MF, 1%, 0204, E24
0	R 221	57.60.1561		560R	MF, 1%, 0204, E24
0	R 222	57.60.1561		560R	MF, 1%, 0204, E24
0	R 223	57.60.1561		560R	MF, 1%, 0204, E24
0	R 224	57.60.1561		560R	MF, 1%, 0204, E24
0	R 225	57.60.1561		560R	MF, 1%, 0204, E24
0	R 226	57.60.1561		560R	MF, 1%, 0204, E24
0	R 227	57.60.1561		560R	MF, 1%, 0204, E24
0	R 228	57.60.1561		560R	MF, 1%, 0204, E24
0	R 229	57.60.1561		560R	MF, 1%, 0204, E24
0	R 230	57.60.1561		560R	MF, 1%, 0204, E24
0	R 231	57.60.1561		560R	MF, 1%, 0204, E24
0	R 232	57.60.1561		560R	MF, 1%, 0204, E24
0	R 233	57.60.1561		560R	MF, 1%, 0204, E24
0	R 234	57.60.1561		560R	MF, 1%, 0204, E24
0	S 1	55.12.1121			Code-Switch
0	S 2	55.12.1121			Code-Switch
0	S 3	55.15.0138		1*A	S 1 TASTE, 1*A,IMPULS,1.0 N
0	T 1	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 2	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 3	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 4	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 5	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 6	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 7	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 8	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 9	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 10	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 11	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 12	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 13	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 14	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 15	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 16	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	X 1	89.60.2002		16.0MHz	XTAL Oscillator
0	X 2	89.60.2004		40.0MHz	XTAL Oscillator
0	XDL 2	53.03.0165		20p	DIL 0.3", löt, gerade
0	XIC 1	1.950.920.20			SW 605/10/1 GAL A (50.63.3002)
0	XIC 2	1.950.921.20			SW 605/615 GAL B (50.63.3002)
0	XIC 3	1.950.930.26			SW605/06/10/16/21 BOOT(.1301)
0	XIC 8	53.03.0166 pce		8p	DIL 0.3", löt, gerade
0	XR 1	not used		1R	MF, 1%, 0204, E24
0	XXIC 3	53.03.2232		32p	PLCC-Socket
0	Y 1	89.01.1017		1.8432MHz	XTAL HC49U

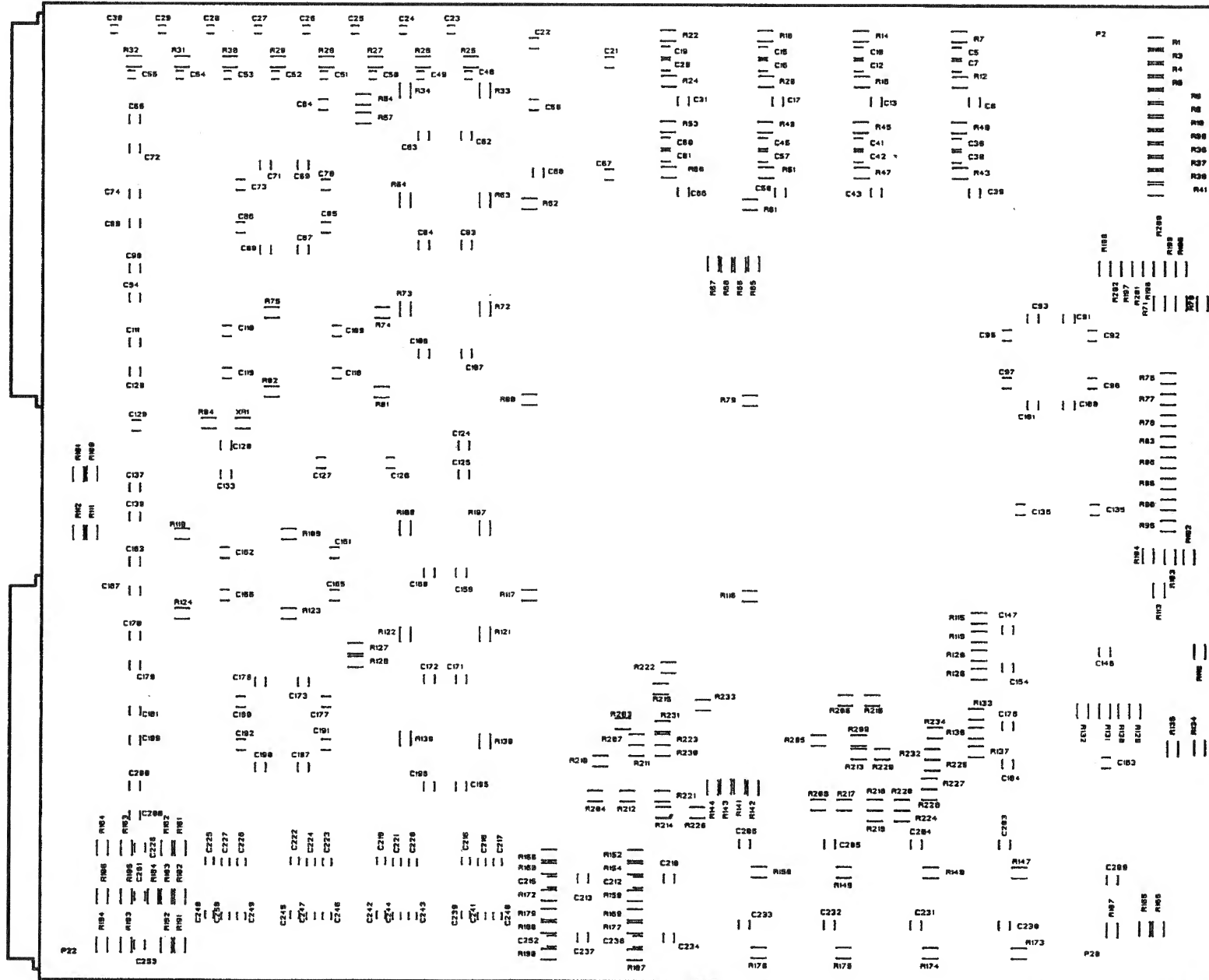
End of List

PE Board 1.950.610.26 (0) (Component Side)



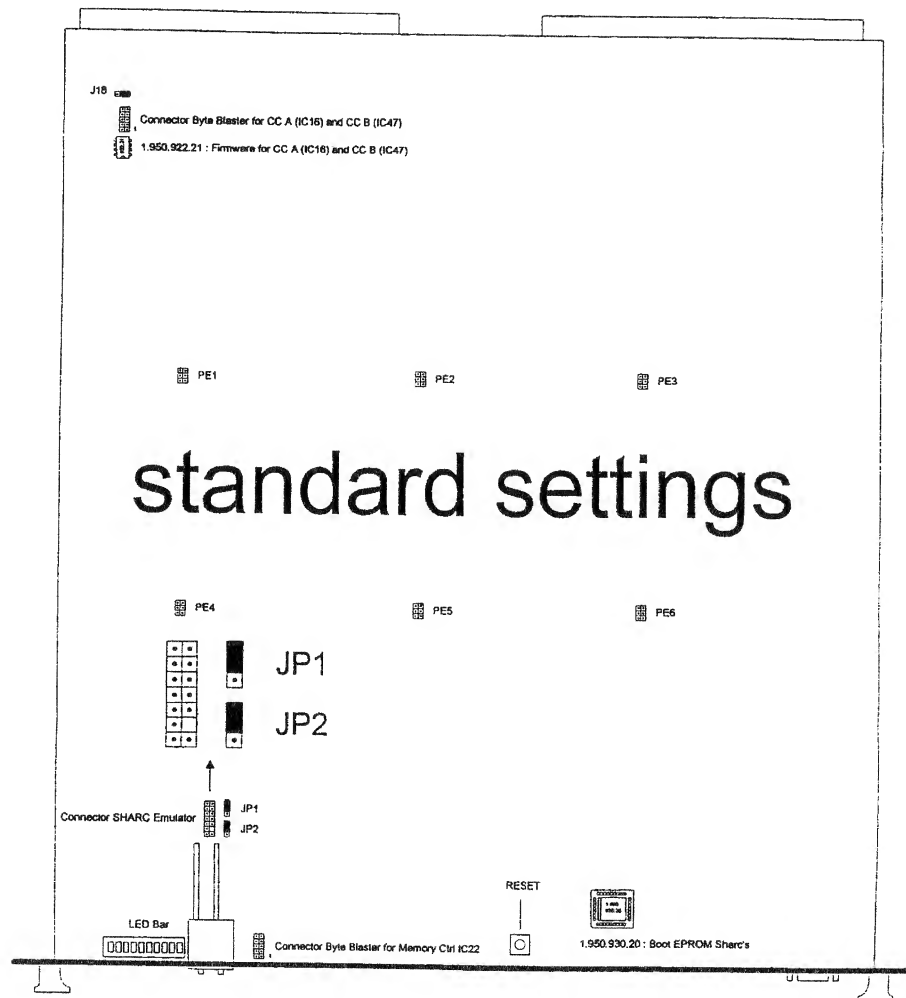
Accompanying documents:	Special tolerance:	Scale:	HW	PG
Legende Interlegende:	Pretransformation:	Rechnung:	1/1	1/1
Substitute for:	Replaced by:	Original Size:	1/3	1/3
Legend:	Legend:	Original Size:	1/3	1/3
STUDER	PE Board	1.950.610-26		
REGENSDORF	ESE			

PE Board 1.950.610.26 (0) (Solder Side)



Accompanying documents: Zugehörige Unterlagen: <i>PL</i>	General Tolerance Scale: Freimaßstabskennzeichnung: ±	Date: Datum	14.11.02	hm	pg	①			
Substitute for: Ersatz für:	Replaced by: Ersatz durch:	Original Size: Originalformat:	A3	Page: Seite:	2/3	Index:			
STUDER REGENSDORF		PE Board		ESE					
				1.950.610-26					

PE Board 1.950.610.26 (0) (Jumper Setting)



Settings for lab use

Jumper settings for board test



Jumper settings Byte Blaster (IC16 and IC47)

If you want to program the Altera with the Byte Blaster, you first have to remove R58



Jumper settings using the SHARC Emulator

If you want to access a PE with the Emulator, you first have to remove the corresponding resistors
(R62 to access PE1) (R80 PE2) (R117 PE4) (R61 PE4) (R79 PE5) (R116 PE6)

		access by the Emulator	
		yes	no
resistor in place	yes		
	no		

Accompanying documents: Zugehörige Unterlagen: PL	General tolerance: Freimasstoleranz: ±	Scale: Maßstab:	Edition: Ausgabe:	14. 11. 02 hm	HM	PG	①
Substitute for: Ersatz für:	Replaced by: Ersetzt durch:	Original Size: Originalformat:	Date: Datum:	Visa Gez.:	Seiten Ges.:	Page: Seite:	Index:
STUDER REGENSDORF		Description: Benennung: PE Board		ESE		Number: Nummer: 1.950.610-26	

PE Board 1.950.610.26 (0)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 175	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 176	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 177	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 178	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 179	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 180	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 181	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 182	59.68.0065	10u		EL 16V, 4.0*5.7
0 C 183	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 184	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 185	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 186	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 187	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 188	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 189	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 190	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 191	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 192	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 193	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 194	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 195	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 196	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 197	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 198	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 199	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 200	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 201	59.60.2241	47p		CER 50V, 5%, COG, 0603
0 C 202	59.60.2233	22p		CER 50V, 5%, COG, 0603
0 C 203	not used	100n		CER 50V, 10%, X7R, 0805
0 C 204	not used	100n		CER 50V, 10%, X7R, 0805
0 C 205	not used	100n		CER 50V, 10%, X7R, 0805
0 C 206	not used	100n		CER 50V, 10%, X7R, 0805
0 C 207	not used	10u		EL 35V, 5.0*5.7
0 C 208	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 209	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 210	not used	100n		CER 50V, 10%, X7R, 0805
0 C 211	not used	100n		CER 50V, 10%, X7R, 0805
0 C 212	not used	100n		CER 50V, 10%, X7R, 0805
0 C 213	not used	100n		CER 50V, 10%, X7R, 0805
0 C 214	not used	100n		CER 50V, 10%, X7R, 0805
0 C 215	not used	100n		CER 50V, 10%, X7R, 0805
0 C 216	not used	100p		CER 50V, 5%, COG, 0603
0 C 217	not used	100p		CER 50V, 5%, COG, 0603
0 C 218	not used	100p		CER 50V, 5%, COG, 0603
0 C 219	not used	100p		CER 50V, 5%, COG, 0603
0 C 220	not used	100p		CER 50V, 5%, COG, 0603
0 C 221	not used	100p		CER 50V, 5%, COG, 0603
0 C 222	not used	100p		CER 50V, 5%, COG, 0603
0 C 223	not used	100p		CER 50V, 5%, COG, 0603
0 C 224	not used	100p		CER 50V, 5%, COG, 0603
0 C 225	not used	100p		CER 50V, 5%, COG, 0603
0 C 226	not used	100p		CER 50V, 5%, COG, 0603
0 C 227	not used	100p		CER 50V, 5%, COG, 0603
0 C 228	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 229	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 230	not used	100n		CER 50V, 10%, X7R, 0805
0 C 231	not used	100n		CER 50V, 10%, X7R, 0805
0 C 232	not used	100n		CER 50V, 10%, X7R, 0805
0 C 233	not used	100n		CER 50V, 10%, X7R, 0805
0 C 234	not used	100n		CER 50V, 10%, X7R, 0805
0 C 235	not used	100n		CER 50V, 10%, X7R, 0805
0 C 236	not used	100n		CER 50V, 10%, X7R, 0805
0 C 237	not used	100n		CER 50V, 10%, X7R, 0805
0 C 238	not used	100n		CER 50V, 10%, X7R, 0805
0 C 239	not used	100p		CER 50V, 5%, COG, 0603
0 C 240	not used	100p		CER 50V, 5%, COG, 0603
0 C 241	not used	100p		CER 50V, 5%, COG, 0603
0 C 242	not used	100p		CER 50V, 5%, COG, 0603
0 C 243	not used	100p		CER 50V, 5%, COG, 0603
0 C 244	not used	100p		CER 50V, 5%, COG, 0603
0 C 245	not used	100p		CER 50V, 5%, COG, 0603
0 C 246	not used	100p		CER 50V, 5%, COG, 0603
0 C 247	not used	100p		CER 50V, 5%, COG, 0603
0 C 248	not used	100p		CER 50V, 5%, COG, 0603
0 C 249	not used	100p		CER 50V, 5%, COG, 0603
0 C 250	not used	100p		CER 50V, 5%, COG, 0603
0 C 251	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 252	not used	100n		CER 50V, 10%, X7R, 0805
0 C 253	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 DL 1	50.04.2751	grn		LED mit Halter
0 DL 2	50.04.2811	10*grn		LED-Bargraph 10*green
0 DL 10	not used	grn		LED mit Halter
0 DL 11	not used	grn		LED mit Halter
0 DL 12	not used	grn		LED mit Halter
0 DL 15	not used	grn		LED mit Halter
0 DL 16	not used	grn		LED mit Halter
0 DL 18	not used	grn		LED mit Halter

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 DL 19	not used	grn		LED mit Halter
0 DL 20	not used	grn		LED mit Halter
0 DL 22	50.04.2750	red		LED mit Halter
0 IC 1	not used	CS8411A		Dig audio interface receiver
0 IC 2	not used	CS8411A		Dig audio interface receiver
0 IC 3	not used	CS8411A		Dig audio interface receiver
0 IC 4	not used	CS8411A		Dig audio interface receiver
0 IC 5	not used	AD1890		Sample Rate Converter
0 IC 6	not used	DS34C86		4*RS 422 Line Receiver
0 IC 7	not used	DS34C86		4*RS 422 Line Receiver
0 IC 8	1.950.922.22			SW 605/615 CC (50.63.4298)
0 IC 9	not used	CS8411A		Dig audio interface receiver
0 IC 10	not used	CS8411A		Dig audio interface receiver
0 IC 11	not used	CS8411A		Dig audio interface receiver
0 IC 12	not used	CS8411A		Dig audio interface receiver
0 IC 13	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 IC 14	50.62.6745	74ABTE16245		16bit Bus-Driver
0 IC 15	not used	AD1890		Sample Rate Converter
0 IC 16	50.63.4207	EPF8820R		EPLD 8000 QFP208
0 IC 17	50.62.6745	74ABTE16245		16bit Bus-Driver
0 IC 18	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 IC 19	50.63.0408	ADSP21062		32bit DSP
0 IC 20	50.63.0408	ADSP21062		32bit DSP
0 IC 21	50.62.6974	74FCT162374		16bit Bus Latches
0 IC 22	1.950.919.21			SW 610 MEMCTRL (50.63.4206)
0 IC 23	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 IC 24	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 IC 25	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 IC 26	50.62.6974	74FCT162374		16bit Bus Latches
0 IC 27	50.62.6915	74FCT88915		Clock-Driver
0 IC 28	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 IC 29	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 IC 30	50.62.6907	74FCT807		Share Clock-Driver
0 IC 31	50.63.0408	ADSP21062		32bit DSP
0 IC 32	50.63.0408	ADSP21062		32bit DSP
0 IC 33	50.62.6746	74ABTE16246		16bit Bus-Driver o.c.
0 IC 34	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 IC 35	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 IC 36	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 IC 37	50.62.6745	74ABTE16245		16bit Bus-Driver
0 IC 38	50.63.2001	7705B		Reset Generator
0 IC 39	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 IC 40	50.62.6745	74ABTE16245		16bit Bus-Driver
0 IC 41	50.63.0408	ADSP21062		32bit DSP
0 IC 42	50.63.0408	ADSP21062		32bit DSP
0 IC 43	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 IC 44	50.63.2001	7705B		Reset Generator
0 IC 45	50.63.0203	TL16C550		UART
0 IC 46	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 IC 47	50.63.4207	EPF8820R		EPLD 8000 QFP208
0 IC 48	50.62.6974	74FCT162374		16bit Bus Latches
0 IC 49	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 IC 50	50.62.6974	74FCT162374		16bit Bus Latches
0 IC 51	not used	CS8401A		Dig audio interface transmitt
0 IC 52	not used	CS8401A		Dig audio interface transmitt
0 IC 53	not used	CS8401A		Dig audio interface transmitt
0 IC 54	not used	CS8401A		Dig audio interface transmitt
0 IC 55	50.62.0462	MAX 225		5*RS 232 Driver/Receiver
0 IC 56	not used	DS34C87		4*RS 422 Line Driver
0 IC 57	not used	DS34C87		4*RS 422 Line Driver
0 IC 58	50.62.6905	49FCT805		Dual Clock-Driver
0 IC 59	not used	CS8401A		Dig audio interface transmitt
0 IC 60	not used	CS8401A		Dig audio interface transmitt
0 IC 61	not used	CS8401A		Dig audio interface transmitt
0 IC 62	not used	CS8401A		Dig audio interface transmitt
0 IC 63	not used	DS34C87		4*RS 422 Line Driver
0 IC 64	not used	DS34C87		4*RS 422 Line Driver
0 IC 65	50.62.6905	49FCT805		Dual Clock-Driver
0 J 1	not used	1p		Pin, 1reihig, gerade
0 J 2	not used	1p		Pin, 1reihig, gerade
0 J 3	not used	1p		Pin, 1reihig, gerade
0 J 4	not used	1p		Pin, 1reihig, gerade
0 J 5	not used	1p		Pin, 1reihig, gerade
0 J 6	not used	1p		Pin, 1reihig, gerade
0 J 7	not used	1p		Pin, 1reihig, gerade
0 J 8	not used	1p		Pin, 1reihig, gerade
0 J 9	not used	1p		Pin, 1reihig, gerade
0 J 10	not used	1p		Pin, 1reihig, gerade
0 J 11	not used	1p		Pin, 1reihig, gerade
0 J 12	not used	1p		Pin, 1reihig, gerade
0 J 13	not used	1p		Pin, 1reihig, gerade
0 J 14	not used	1p		Pin, 1reihig, gerade
0 J 15	not used	1p		Pin, 1reihig, gerade
0 J 16	not used	1p		Pin, 1reihig, gerade
0 J 17	not used 10 pcs	1p		Pin, 1reihig, gerade
0 J 18	not used 3 pcs	1p		Pin, 1reihig, gerade
0 J 19	not used	1p		Pin, 1reihig, gerade

PE Board 1.950.610.26 (0)

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Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	J 20	not used	1p		Pin, freihlig, gerade
0	J 21	not used	1p		Pin, freihlig, gerade
0	J 22	not used	1p		Pin, freihlig, gerade
0	J 23	54.01.0020	14 pcs	1p	Pin, freihlig, gerade
0	J 24	54.11.0136	1 pce	2*3p	Pin 0.63*0.63, RM2.54
0	J 25	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 26	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 27	54.11.0136	1 pce	2*3p	Pin 0.63*0.63, RM2.54
0	J 28	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 29	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 30	54.11.2009	1 pce	96p	EU-R 3*32p
0	J 31	54.01.0020	10 pcs	1p	Pin, freihlig, gerade
0	J 32	54.11.0136	1 pce	2*3p	Pin 0.63*0.63, RM2.54
0	J 33	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 34	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 35	54.11.0136	1 pce	2*3p	Pin 0.63*0.63, RM2.54
0	J 36	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 37	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 38	not used	1p		Pin, freihlig, gerade
0	J 39	not used	1p		Pin, freihlig, gerade
0	J 40	54.11.0136	1 pce	2*3p	Pin 0.63*0.63, RM2.54
0	J 41	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 42	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 43	54.11.0136	1 pce	2*3p	Pin 0.63*0.63, RM2.54
0	J 44	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 45	54.01.0020	0 pce	1p	Pin, freihlig, gerade
0	J 46	54.11.2009	1 pce	96p	EU-R 3*32p
0	J 47	54.13.0071	1 pce	9p	D-Sub, PCB, Winkel
0	J 48	54.01.0021	2 pcs	Jumper	0.63*0.63mm, Au
0	JP 1	54.01.0020	3 pcs	1p	Pin, freihlig, gerade
0	JP 2	54.01.0020	3 pcs	1p	Pin, freihlig, gerade
0	MP 1	1.950.605.12	1 pce		PEAES PCB
0	MP 2	1.950.610.04	1 pce		TYPENSCHILD
0	MP 3	43.01.0108	1 pce	Label	ESE-WARNschild
0	MP 4	1.101.001.26	1 pce		TEXT-ETIK. 5*20 HARDWARE -26
0	MP 5	1.950.610.10	1 pce		BAUGRUPPENSCHILD 10X80
0	MP 8	89.01.1499	1 pce		QUARZ - ISOLIERPLATTE
0	MP 9	55.12.1122	1 pce		Seitenwand
0	MP 10	1.950.610.01	1 pce		FRONTPLATTE PE
0	MP 11	1.940.600.05	2 pcs		GRIFFEINLAGE 4TE
0	MP 12	49.02.0524	2 pcs	M2.5*12	Schraube spezial
0	MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)
0	MP 15	not used	2 pcs	M2.5*7	Senk-Schr, KS, Senkripp
0	MP 16	49.02.0514	1 pce	4TE	Frontplatten-Griffsatz
0	MP 19	28.99.0119	4 pcs		ROHRNIETE D 2.5*0.15" 9
0	MP 20	54.13.0081	2 pcs	4.85mm	Bolzen UNC 4-40
0	MP 21	24.16.2030	2 pcs	3.2/6.0	Fächerscheibe Form A
0	Q 1	50.60.0001		BC847B	NPN 45V 100mA SOT 23
0	Q 2	50.60.0001		BC847B	NPN 45V 100mA SOT 23
0	R 1	57.60.1331		330R	MF, 1%, 0204, E24
0	R 2	57.60.1105		1M	MF, 1%, 0204, E24
0	R 3	57.60.1331		330R	MF, 1%, 0204, E24
0	R 4	57.60.1331		330R	MF, 1%, 0204, E24
0	R 5	57.60.1331		330R	MF, 1%, 0204, E24
0	R 6	not used		1k0	MF, 1%, 0204, E24
0	R 7	not used		10k	MF, 1%, 0204, E24
0	R 8	57.60.1331		330R	MF, 1%, 0204, E24
0	R 9	57.60.1331		330R	MF, 1%, 0204, E24
0	R 10	57.60.1331		330R	MF, 1%, 0204, E24
0	R 11	not used		10R	MF, 1%, 0204, E24
0	R 12	not used		10k	MF, 1%, 0204, E24
0	R 13	not used		1k0	MF, 1%, 0204, E24
0	R 14	not used		10k	MF, 1%, 0204, E24
0	R 15	not used		10R	MF, 1%, 0204, E24
0	R 16	not used		10k	MF, 1%, 0204, E24
0	R 17	not used		1k0	MF, 1%, 0204, E24
0	R 18	not used		10k	MF, 1%, 0204, E24
0	R 19	not used		10R	MF, 1%, 0204, E24
0	R 20	not used		10k	MF, 1%, 0204, E24
0	R 21	not used		1k0	MF, 1%, 0204, E24
0	R 22	not used		10k	MF, 1%, 0204, E24
0	R 23	not used		10R	MF, 1%, 0204, E24
0	R 24	not used		10k	MF, 1%, 0204, E24
0	R 25	not used		110R	MF, 1%, 0204, E24
0	R 26	not used		110R	MF, 1%, 0204, E24
0	R 27	not used		110R	MF, 1%, 0204, E24
0	R 28	not used		110R	MF, 1%, 0204, E24
0	R 29	not used		110R	MF, 1%, 0204, E24
0	R 30	not used		110R	MF, 1%, 0204, E24
0	R 31	not used		110R	MF, 1%, 0204, E24
0	R 32	not used		110R	MF, 1%, 0204, E24
0	R 33	57.60.1103		10k	MF, 1%, 0204, E24
0	R 34	57.60.1103		10k	MF, 1%, 0204, E24
0	R 35	57.60.1331		330R	MF, 1%, 0204, E24
0	R 36	57.60.1331		330R	MF, 1%, 0204, E24
0	R 37	57.60.1331		330R	MF, 1%, 0204, E24
0	R 38	57.60.1331		330R	MF, 1%, 0204, E24

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 39	not used		1k0	MF, 1%, 0204, E24
0	R 40	not used		10k	MF, 1%, 0204, E24
0	R 41	57.60.1331		330R	MF, 1%, 0204, E24
0	R 42	not used		10R	MF, 1%, 0204, E24
0	R 43	not used		10k	MF, 1%, 0204, E24
0	R 44	not used		1k0	MF, 1%, 0204, E24
0	R 45	not used		10k	MF, 1%, 0204, E24
0	R 46	not used		10R	MF, 1%, 0204, E24
0	R 47	not used		10k	MF, 1%, 0204, E24
0	R 48	not used		1k0	MF, 1%, 0204, E24
0	R 49	not used		10k	MF, 1%, 0204, E24
0	R 50	not used		10R	MF, 1%, 0204, E24
0	R 51	not used		10k	MF, 1%, 0204, E24
0	R 52	not used		1k0	MF, 1%, 0204, E24
0	R 53	not used		10k	MF, 1%, 0204, E24
0	R 54	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 55	57.60.1103		10k	MF, 1%, 0204, E24
0	R 56	57.60.1331		330R	MF, 1%, 0204, E24
0	R 57	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 58	57.60.1109		1R	MF, 1%, 0204, E24
0	R 59	not used		10R	MF, 1%, 0204, E24
0	R 60	not used		10k	MF, 1%, 0204, E24
0	R 61	57.60.1109		1R	MF, 1%, 0204, E24
0	R 62	57.60.1109		1R	MF, 1%, 0204, E24
0	R 63	57.60.1103		10k	MF, 1%, 0204, E24
0	R 64	57.60.1103		10k	MF, 1%, 0204, E24
0	R 65	57.60.1680		68R	MF, 1%, 0204, E24
0	R 66	57.60.1181		180R	MF, 1%, 0204, E24
0	R 67	57.60.1680		68R	MF, 1%, 0204, E24
0	R 68	57.60.1181		180R	MF, 1%, 0204, E24
0	R 69	57.60.1103		10k	MF, 1%, 0204, E24
0	R 70	57.60.1103		10k	MF, 1%, 0204, E24
0	R 71	57.60.1103		10k	MF, 1%, 0204, E24
0	R 72	57.60.1103		10k	MF, 1%, 0204, E24
0	R 73	57.60.1103		10k	MF, 1%, 0204, E24
0	R 74	57.60.1103		10k	MF, 1%, 0204, E24
0	R 75	57.60.1103		10k	MF, 1%, 0204, E24
0	R 76	57.60.1331		330R	MF, 1%, 0204, E24
0	R 77	57.60.1331		330R	MF, 1%, 0204, E24
0	R 78	57.60.1331		330R	MF, 1%, 0204, E24
0	R 79	57.60.1109		1R	MF, 1%, 0204, E24
0	R 80	57.60.1109		1R	MF, 1%, 0204, E24
0	R 81	57.60.1103		10k	MF, 1%, 0204, E24
0	R 82	57.60.1103		10k	MF, 1%, 0204, E24
0	R 83	57.60.1331		330R	MF, 1%, 0204, E24
0	R 84	57.60.1109		1R	MF, 1%, 0204, E24
0	R 85	57.60.1270		27R	MF, 1%, 0204, E24
0	R 86	57.60.1331		330R	MF, 1%, 0204, E24
0	R 87	57.60.1270		27R	MF, 1%, 0204, E24
0	R 88	57.60.1331		330R	MF, 1%, 0204, E24
0	R 89	57.60.1270		27R	MF, 1%, 0204, E24
0	R 90	57.60.1331		330R	MF, 1%, 0204, E24
0	R 91	57.60.1270		27R	MF, 1%, 0204, E24
0	R 92	57.60.1270		27R	MF, 1%, 0204, E24
0	R 93	57.60.1270		27R	MF, 1%, 0204, E24
0	R 94	57.60.1270		27R	MF, 1%, 0204, E24
0	R 95	57.60.1270		27R	MF, 1%, 0204, E24
0	R 96	57.60.1331		330R	MF, 1%, 0204, E24
0	R 97	57.60.1270		27R	MF, 1%, 0204, E24
0	R 98	57.60.1270		27R	MF, 1%, 0204, E24
0	R 99	57.60.1270		27R	MF, 1%, 0204, E24
0	R 100	57.60.1331		330R	MF, 1%, 0204, E24
0	R 101	57.60.1103		10k	MF, 1%, 0204, E24
0	R 102	57.60.1104		100k	MF, 1%, 0204, E24
0	R 103	57.60.1103		10k	MF, 1%, 0204, E24
0	R 104	57.60.1104		100k	MF, 1%, 0204, E24
0	R 105	57.60.1270		27R	MF, 1%, 0204, E24
0	R 106	57.60.1270		27R	MF, 1%, 0204, E24
0	R 107	57.60.1103		10k	MF, 1%, 0204, E24
0	R 108	57.60.1103		10k	MF, 1%, 0204, E24
0	R 109	57.60.1103		10k	MF, 1%, 0204, E24
0	R 110	57.60.1103		10k	MF, 1%, 0204, E24
0	R 111	57.60.1331		330R	MF, 1%, 0204, E24
0	R 112	57.60.1103		10k	MF, 1%, 0204, E24
0	R 113	57.60.1103		10k	MF, 1%, 0204, E24
0	R 114	57.60.1270		27R	MF, 1%, 0204, E24
0	R 115	57.60.1103		10k	MF, 1%, 0204, E24
0	R 116	57.60.1109		1R	MF, 1%, 0204, E24
0	R 117	57.60.1109		1R	MF, 1%, 0204, E24
0	R 118	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 119	57.60.1103		10k	MF, 1%, 0204, E24
0	R 120	57.60.1103		10k	MF, 1%, 0204, E24
0	R 121	57.60.1103		10k	MF, 1%, 0204, E24
0	R 122	57.60.1103		10k	MF, 1%, 0204, E24
0	R 123	57.60.1103		10k	MF, 1%, 0204, E24
0	R 124	57.60.1103		10k	MF, 1%, 0204, E24
0	R 125	57.60.1100		10R	MF, 1%, 0204, E24

PE Board 1.950.610.26 (0)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 126	57.60.1103	10k		MF, 1%, 0204, E24
0 R 127	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 128	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 129	57.60.1103	10k		MF, 1%, 0204, E24
0 R 130	57.60.1103	10k		MF, 1%, 0204, E24
0 R 131	57.60.1103	10k		MF, 1%, 0204, E24
0 R 132	57.60.1103	10k		MF, 1%, 0204, E24
0 R 133	57.60.1103	10k		MF, 1%, 0204, E24
0 R 134	57.60.1103	10k		MF, 1%, 0204, E24
0 R 135	57.60.1103	10k		MF, 1%, 0204, E24
0 R 136	57.60.1103	10k		MF, 1%, 0204, E24
0 R 137	57.60.1103	10k		MF, 1%, 0204, E24
0 R 138	57.60.1103	10k		MF, 1%, 0204, E24
0 R 139	57.60.1103	10k		MF, 1%, 0204, E24
0 R 140	57.60.1100	10R		MF, 1%, 0204, E24
0 R 141	57.60.1181	180R		MF, 1%, 0204, E24
0 R 142	57.60.1680	68R		MF, 1%, 0204, E24
0 R 143	57.60.1181	180R		MF, 1%, 0204, E24
0 R 144	57.60.1680	68R		MF, 1%, 0204, E24
0 R 145	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 146	57.60.1105	1M		MF, 1%, 0204, E24
0 R 147	not used	10k		MF, 1%, 0204, E24
0 R 148	not used	10k		MF, 1%, 0204, E24
0 R 149	not used	10k		MF, 1%, 0204, E24
0 R 150	not used	10k		MF, 1%, 0204, E24
0 R 151	not used	10k		MF, 1%, 0204, E24
0 R 152	not used	10k		MF, 1%, 0204, E24
0 R 153	not used	27R		MF, 1%, 0204, E24
0 R 154	not used	27R		MF, 1%, 0204, E24
0 R 155	not used	10k		MF, 1%, 0204, E24
0 R 156	not used	10k		MF, 1%, 0204, E24
0 R 157	not used	22R		MF, 1%, 0204, E24
0 R 158	not used	27R		MF, 1%, 0204, E24
0 R 159	not used	22R		MF, 1%, 0204, E24
0 R 160	57.60.1270	27R		MF, 1%, 0204, E24
0 R 161	57.60.1270	27R		MF, 1%, 0204, E24
0 R 162	57.60.1270	27R		MF, 1%, 0204, E24
0 R 163	57.60.1270	27R		MF, 1%, 0204, E24
0 R 164	57.60.1270	27R		MF, 1%, 0204, E24
0 R 165	57.60.1103	10k		MF, 1%, 0204, E24
0 R 166	57.60.1103	10k		MF, 1%, 0204, E24
0 R 167	57.60.1103	10k		MF, 1%, 0204, E24
0 R 168	not used	10k		MF, 1%, 0204, E24
0 R 169	not used	10k		MF, 1%, 0204, E24
0 R 170	not used	22R		MF, 1%, 0204, E24
0 R 171	not used	27R		MF, 1%, 0204, E24
0 R 172	not used	22R		MF, 1%, 0204, E24
0 R 173	not used	10k		MF, 1%, 0204, E24
0 R 174	not used	10k		MF, 1%, 0204, E24
0 R 175	not used	10k		MF, 1%, 0204, E24
0 R 176	not used	10k		MF, 1%, 0204, E24
0 R 177	not used	27R		MF, 1%, 0204, E24
0 R 178	not used	10k		MF, 1%, 0204, E24
0 R 179	not used	10k		MF, 1%, 0204, E24
0 R 180	not used	22R		MF, 1%, 0204, E24
0 R 181	not used	27R		MF, 1%, 0204, E24
0 R 182	57.60.1270	27R		MF, 1%, 0204, E24
0 R 183	57.60.1270	27R		MF, 1%, 0204, E24
0 R 184	57.60.1270	27R		MF, 1%, 0204, E24
0 R 185	57.60.1270	27R		MF, 1%, 0204, E24
0 R 186	57.60.1270	27R		MF, 1%, 0204, E24
0 R 187	not used	22R		MF, 1%, 0204, E24
0 R 188	not used	27R		MF, 1%, 0204, E24
0 R 189	not used	22R		MF, 1%, 0204, E24
0 R 190	not used	22R		MF, 1%, 0204, E24
0 R 191	57.60.1270	27R		MF, 1%, 0204, E24
0 R 192	57.60.1270	27R		MF, 1%, 0204, E24
0 R 193	57.60.1270	27R		MF, 1%, 0204, E24
0 R 194	57.60.1270	27R		MF, 1%, 0204, E24
0 R 195	57.60.1104	100k		MF, 1%, 0204, E24
0 R 196	57.60.1104	100k		MF, 1%, 0204, E24
0 R 197	57.60.1104	100k		MF, 1%, 0204, E24
0 R 198	57.60.1104	100k		MF, 1%, 0204, E24
0 R 199	57.60.1104	100k		MF, 1%, 0204, E24
0 R 200	57.60.1104	100k		MF, 1%, 0204, E24
0 R 201	57.60.1104	100k		MF, 1%, 0204, E24
0 R 202	57.60.1104	100k		MF, 1%, 0204, E24
0 R 203	57.60.1561	560R		MF, 1%, 0204, E24
0 R 204	57.60.1561	560R		MF, 1%, 0204, E24
0 R 205	57.60.1561	560R		MF, 1%, 0204, E24
0 R 206	57.60.1561	560R		MF, 1%, 0204, E24
0 R 207	57.60.1561	560R		MF, 1%, 0204, E24
0 R 208	57.60.1561	560R		MF, 1%, 0204, E24
0 R 209	57.60.1561	560R		MF, 1%, 0204, E24
0 R 210	57.60.1561	560R		MF, 1%, 0204, E24
0 R 211	57.60.1561	560R		MF, 1%, 0204, E24
0 R 212	57.60.1561	560R		MF, 1%, 0204, E24

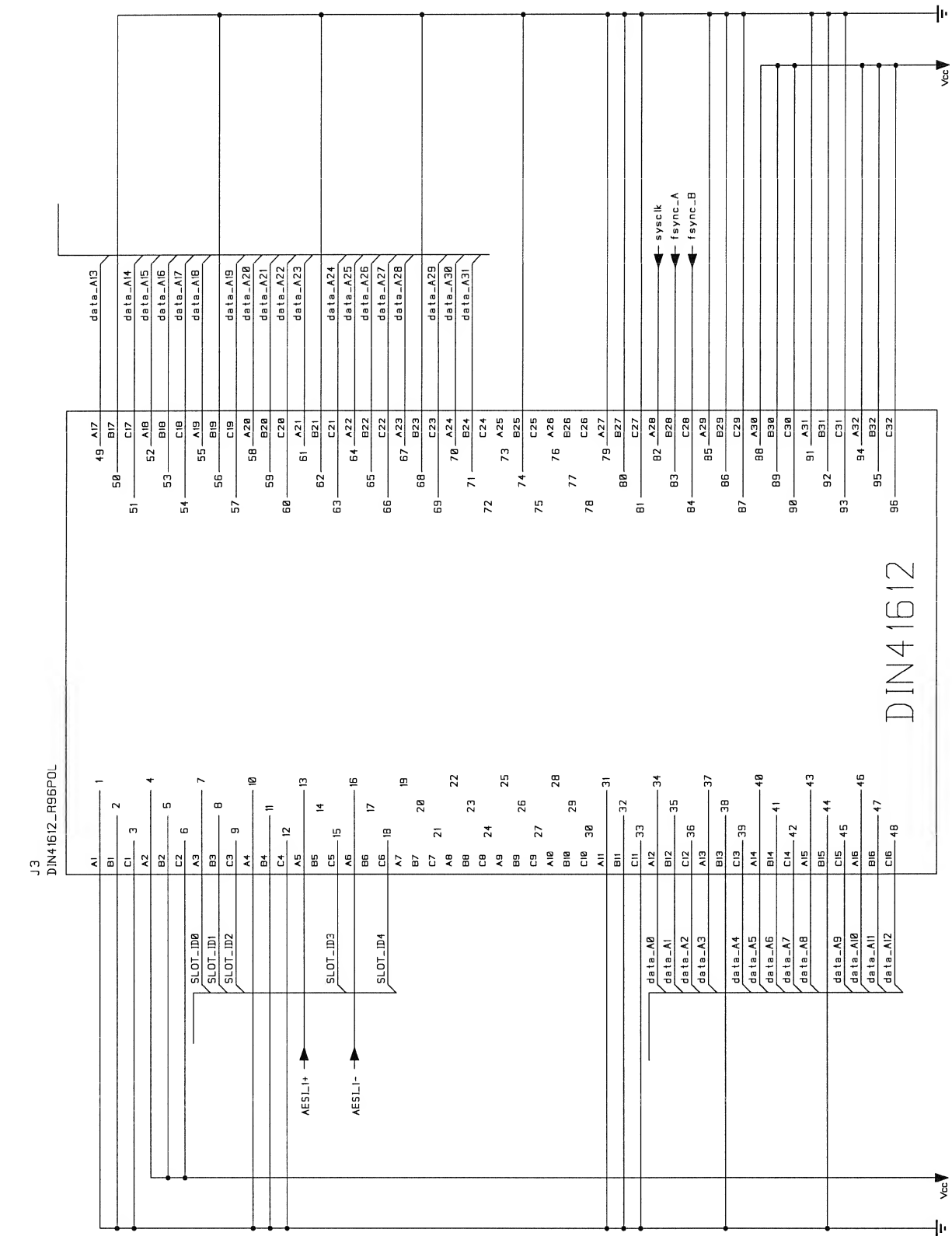
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0 R 213	57.60.1561		560R	MF, 1%, 0204, E24
0 R 214	57.60.1561		560R	MF, 1%, 0204, E24
0 R 215	57.60.1561		560R	MF, 1%, 0204, E24
0 R 216	57.60.1561		560R	MF, 1%, 0204, E24
0 R 217	57.60.1561		560R	MF, 1%, 0204, E24
0 R 218	57.60.1561		560R	MF, 1%, 0204, E24
0 R 219	57.60.1561		560R	MF, 1%, 0204, E24
0 R 220	57.60.1561		560R	MF, 1%, 0204, E24
0 R 221	57.60.1561		560R	MF, 1%, 0204, E24
0 R 222	57.60.1561		560R	MF, 1%, 0204, E24
0 R 223	57.60.1561		560R	MF, 1%, 0204, E24
0 R 224	57.60.1561		560R	MF, 1%, 0204, E24
0 R 225	57.60.1561		560R	MF, 1%, 0204, E24
0 R 226	57.60.1561		560R	MF, 1%, 0204, E24
0 R 227	57.60.1561		560R	MF, 1%, 0204, E24
0 R 228	57.60.1561		560R	MF, 1%, 0204, E24
0 R 229	57.60.1561		560R	MF, 1%, 0204, E24
0 R 230	57.60.1561		560R	MF, 1%, 0204, E24
0 R 231	57.60.1561		560R	MF, 1%, 0204, E24
0 R 232	57.60.1561		560R	MF, 1%, 0204, E24
0 R 233	57.60.1561		560R	MF, 1%, 0204, E24
0 R 234	57.60.1561		560R	MF, 1%, 0204, E24
0 S 1	55.12.1121			Code-Switch
0 S 2	55.12.1121			Code-Switch
0 S 3	55.15.0138		1*A	S 1 TASTE, 1*A,IMPULS,1.0 N
0 T 1	not used		1:1	DI/DO TRANSFORMER
0 T 2	not used		1:1	DI/DO TRANSFORMER
0 T 3	not used		1:1	DI/DO TRANSFORMER
0 T 4	not used		1:1	DI/DO TRANSFORMER
0 T 5	not used		1:1	DI/DO TRANSFORMER
0 T 6	not used		1:1	DI/DO TRANSFORMER
0 T 7	not used		1:1	DI/DO TRANSFORMER
0 T 8	not used		1:1	DI/DO TRANSFORMER
0 T 9	not used		1:1.4	OUTPUT TRAFO AES/EBU
0 T 10	not used		1:1.4	OUTPUT TRAFO AES/EBU
0 T 11	not used		1:1.4	OUTPUT TRAFO AES/EBU
0 T 12	not used		1:1.4	OUTPUT TRAFO AES/EBU
0 T 13	not used		1:1.4	OUTPUT TRAFO AES/EBU
0 T 14	not used		1:1.4	OUTPUT TRAFO AES/EBU
0 T 15	not used		1:1.4	OUTPUT TRAFO AES/EBU
0 T 16	not used		1:1.4	OUTPUT TRAFO AES/EBU
0 X 1	not used		16.0MHz	XTAL Oscillator
0 X 2	89.60.2004		40.0MHz	XTAL Oscillator
0 XDL 2	53.03.0165		20p	DIL 0.3", lot, gerade
0 XIC 1	1.950.920.20			SW 605/10/1 GAL A (50.63.3002)
0 XIC 2	1.950.921.20			SW 605/615 GAL B (50.63.3002)
0 XIC 3	1.950.930.26			SW605/06/10/16/21 BOOT(.1301)
0 XIC 8	53.03.0166	pce	8p	DIL 0.3", lot, gerade
0 XR 1	not used		1R	MF, 1%, 0204, E24
0 XXIC 3	53.03.2232		32p	PLCC-Socket
0 Y 1	89.01.1017		1.8432MHz	XTAL HC49U

End of List

DIAGRAMS MADI/MEMNET BOARD

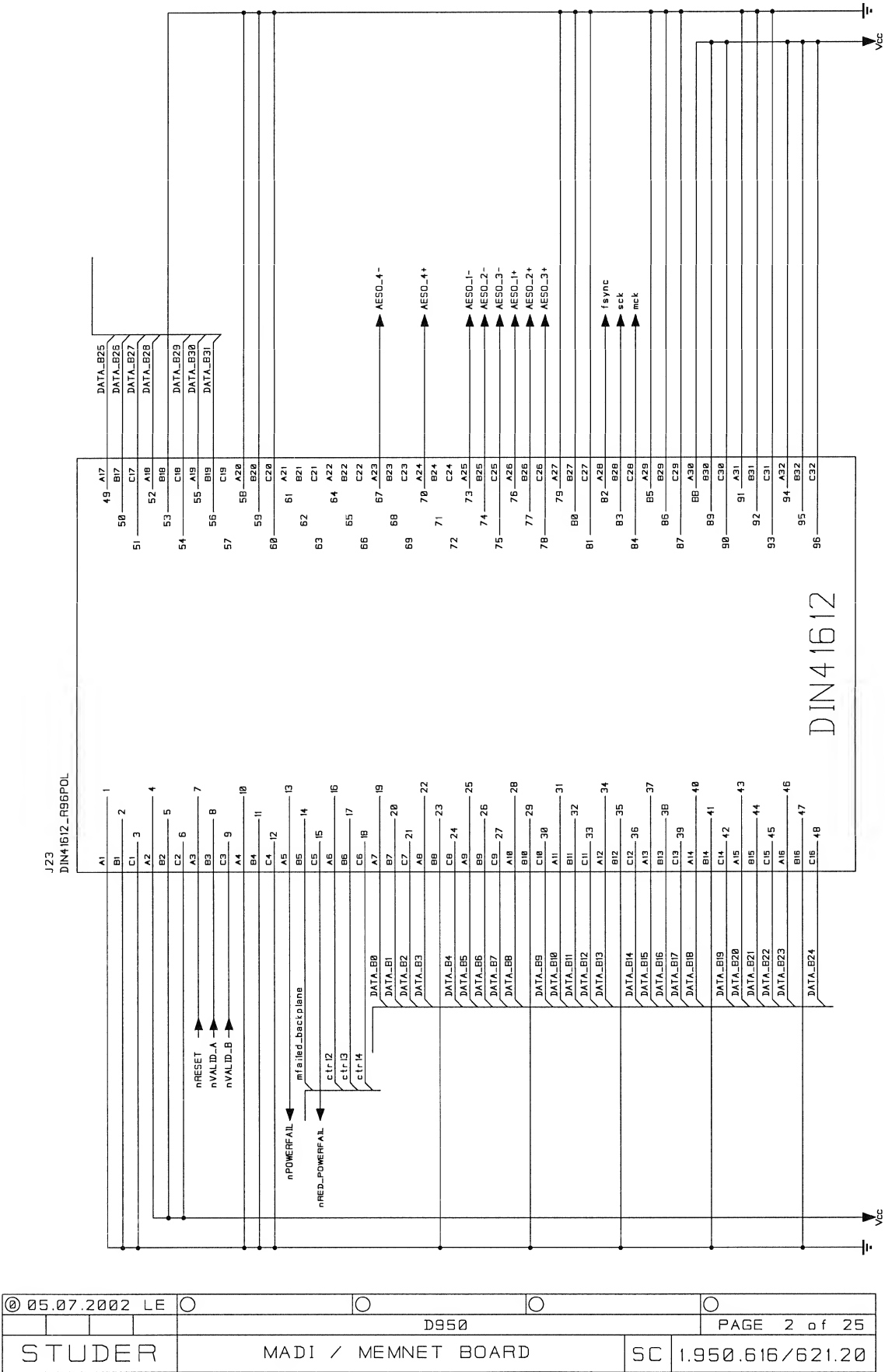
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MEMNET Board 96k	1.950.621.20		1.950.621.20	1.950.621.20

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MEMNET Board 96k 1.950.621.20 (0)



MADI Board 96k 1.950.616.20 (0)

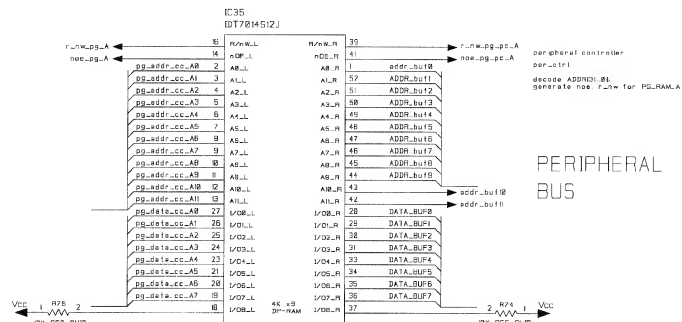
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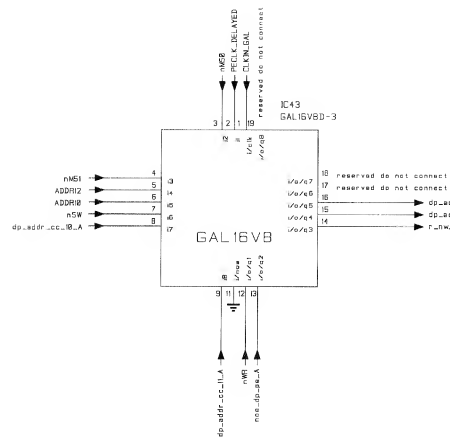
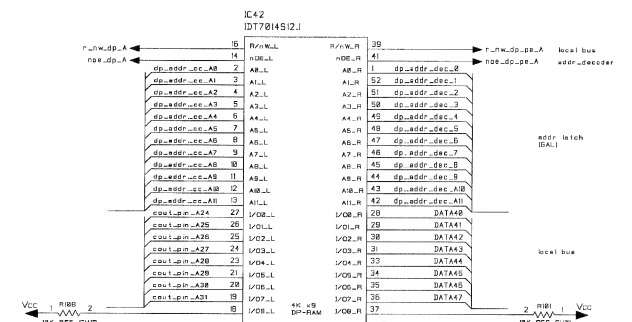
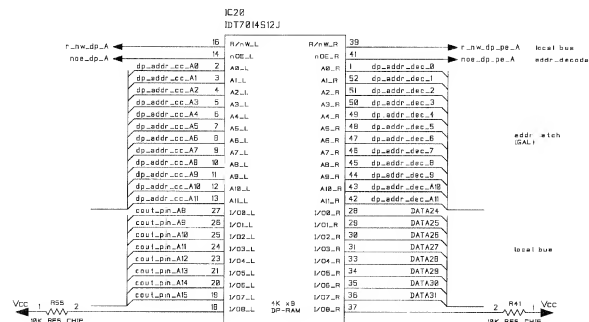
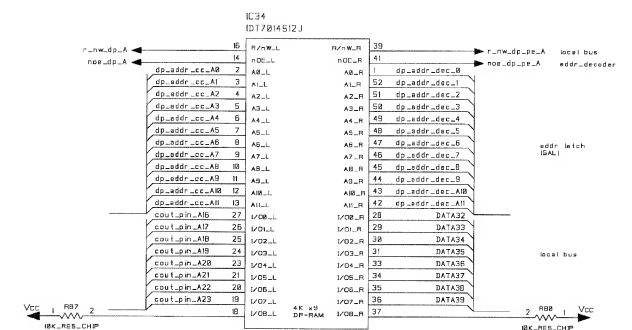
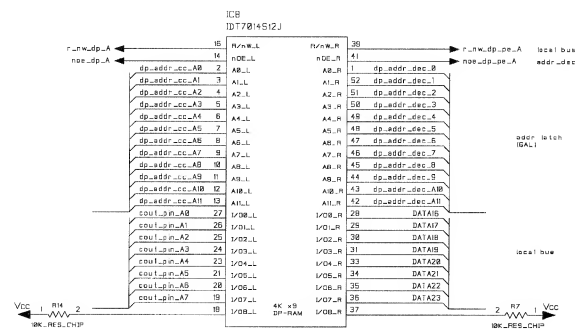
MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)

PG_RAM_A

DP_RAM_A

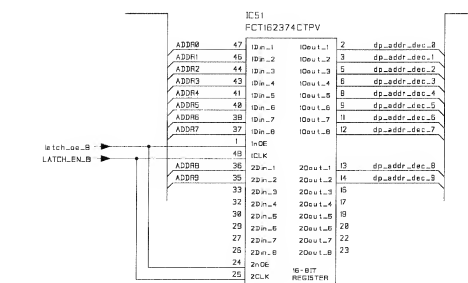
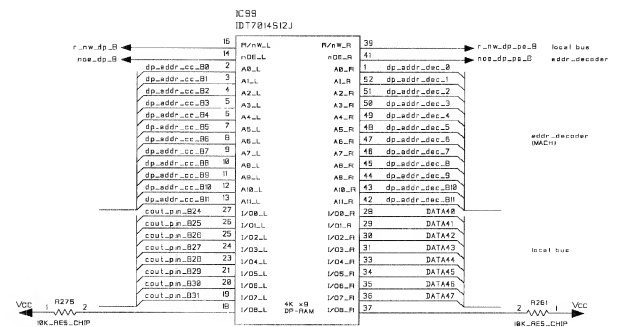


PERIPHERAL
BUS

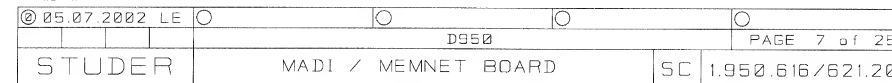


ADDR_DECODER_A

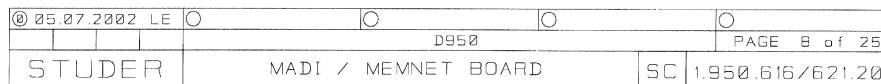
PG_RAM_B



PE-1



PE_2



pull-up resistor
close to IC. If
VCC has no only
ctrl output and
not supply!

R288
10K...RES_CHIP

Vcc

1

2

IC73
ADTE16Z46

Vcc

25

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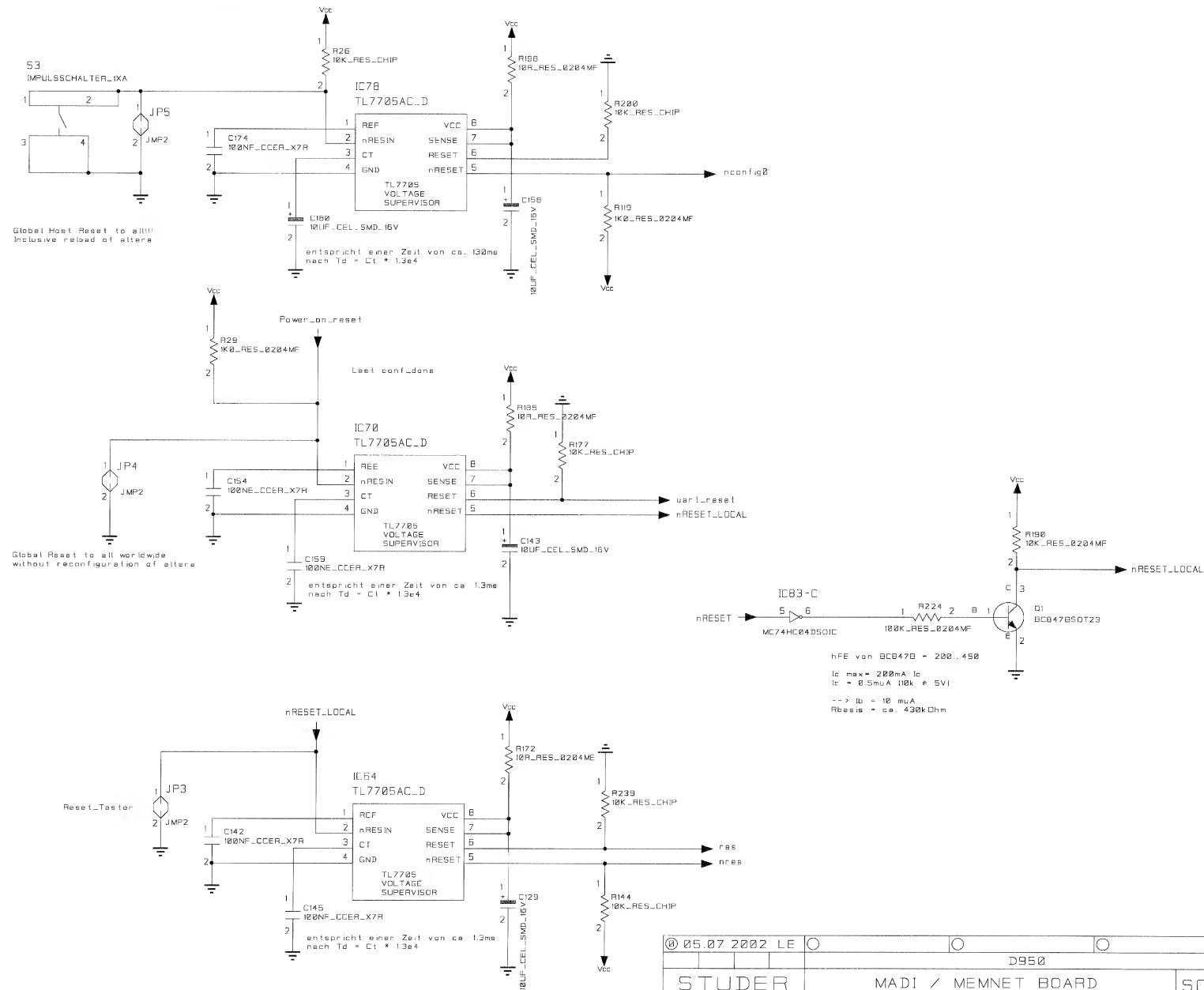
416

417

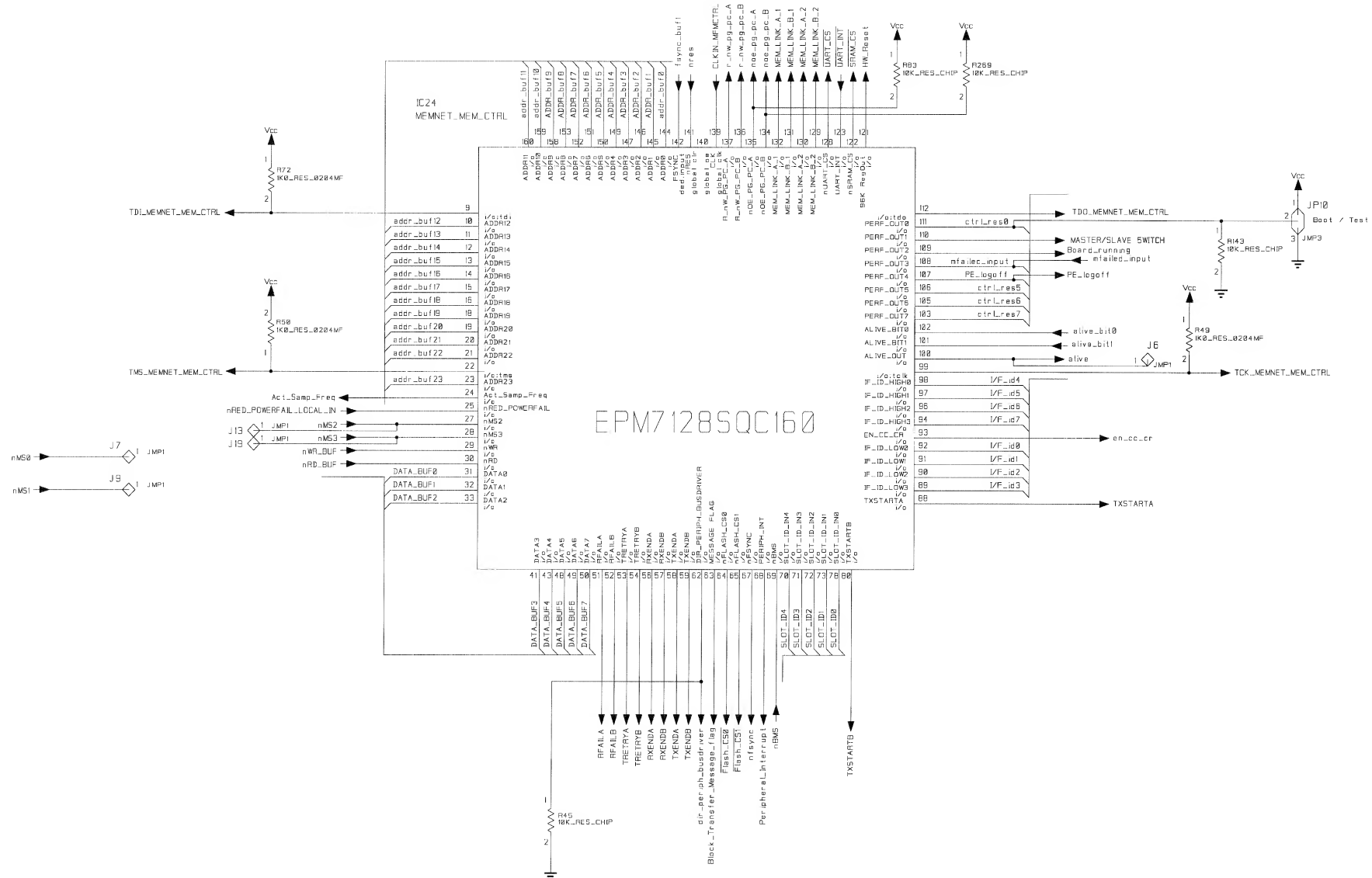
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419</

MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)

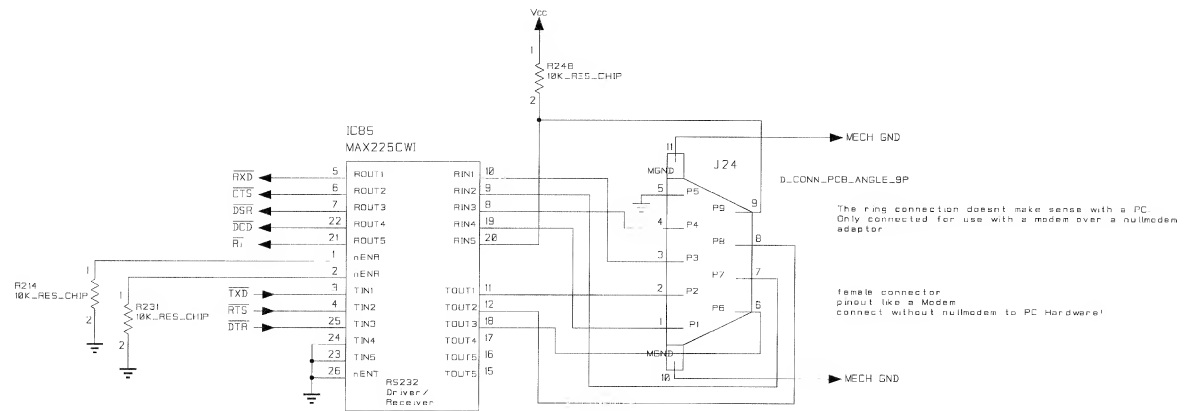
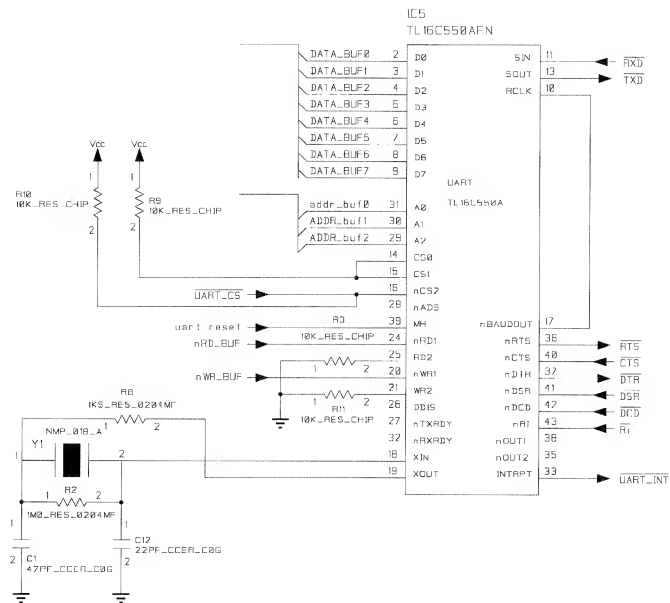


MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)

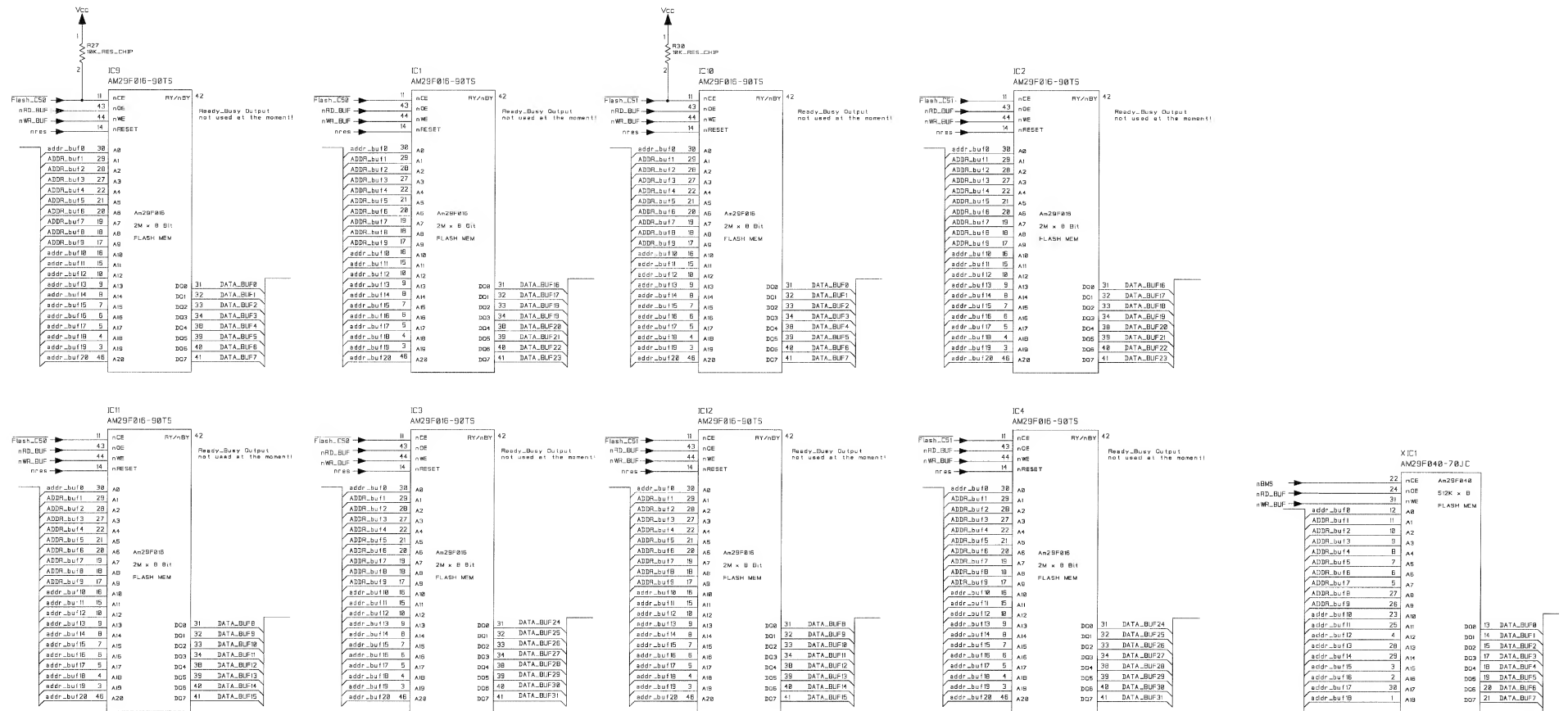


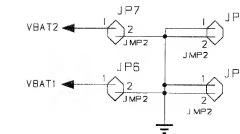
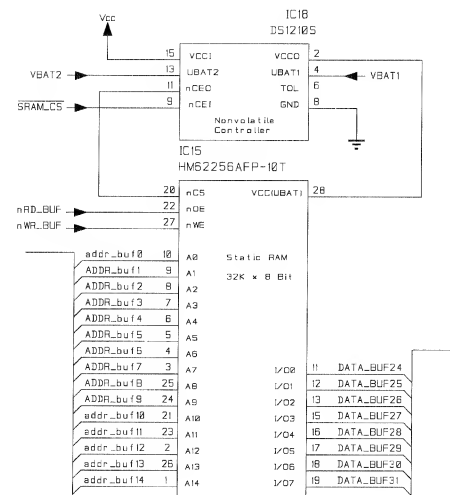
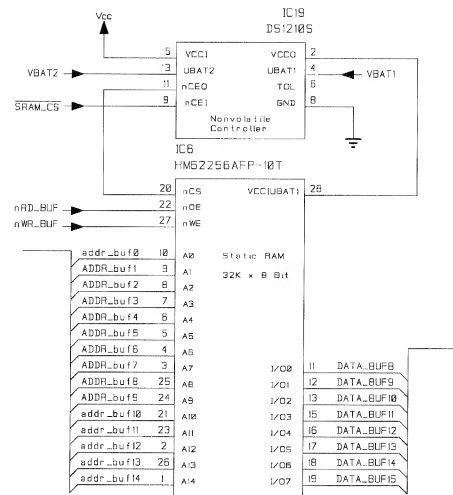
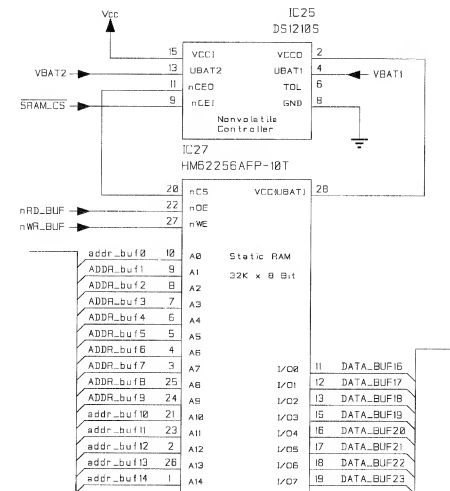
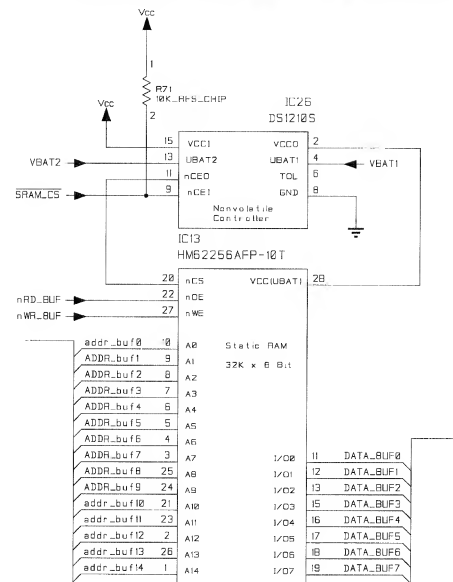
MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)

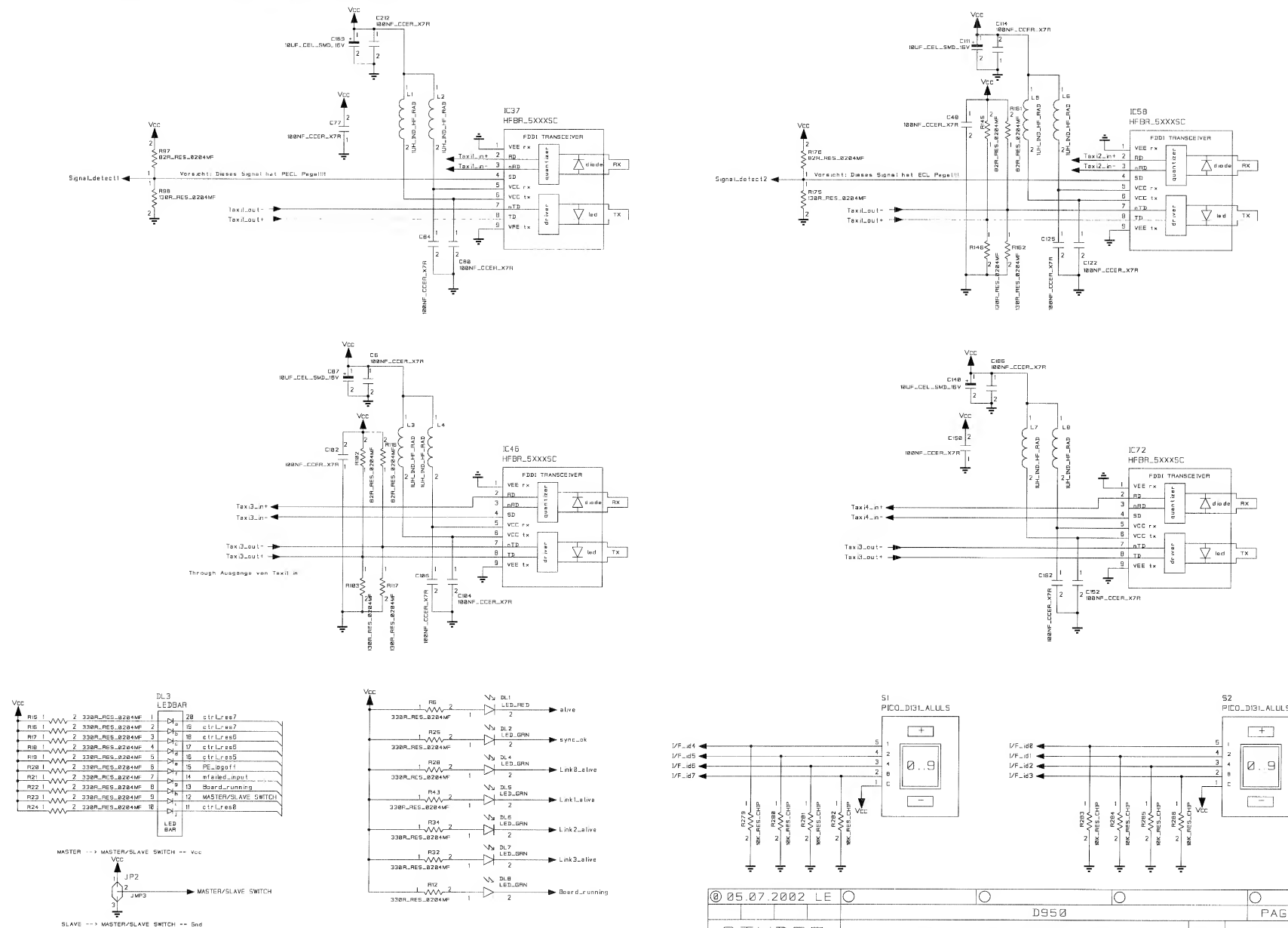
RS 232 Sheet 1



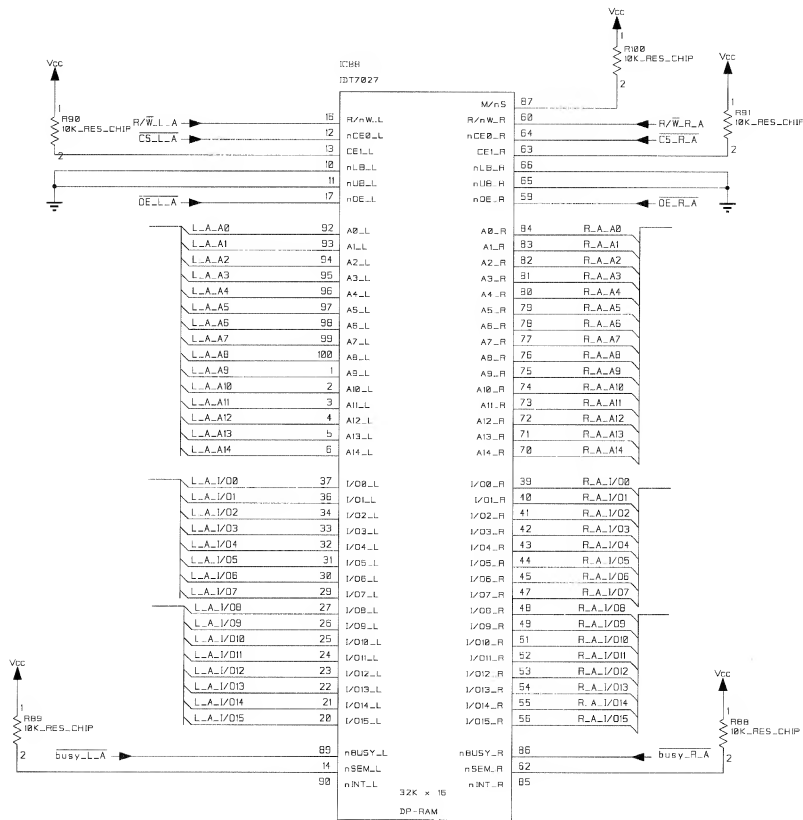
MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)



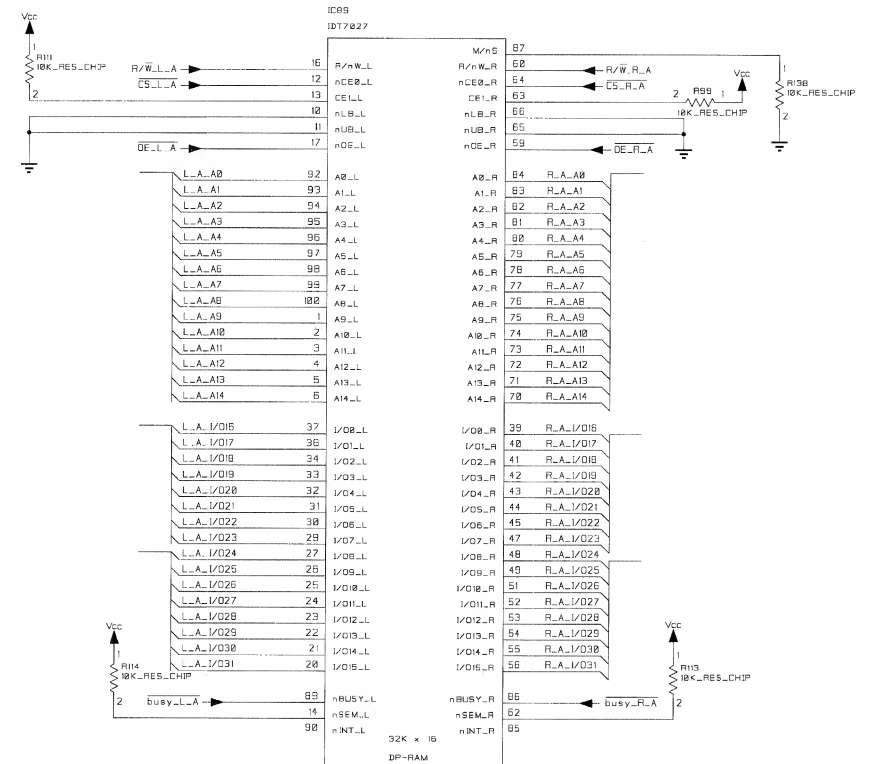
MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)

MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)


MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)



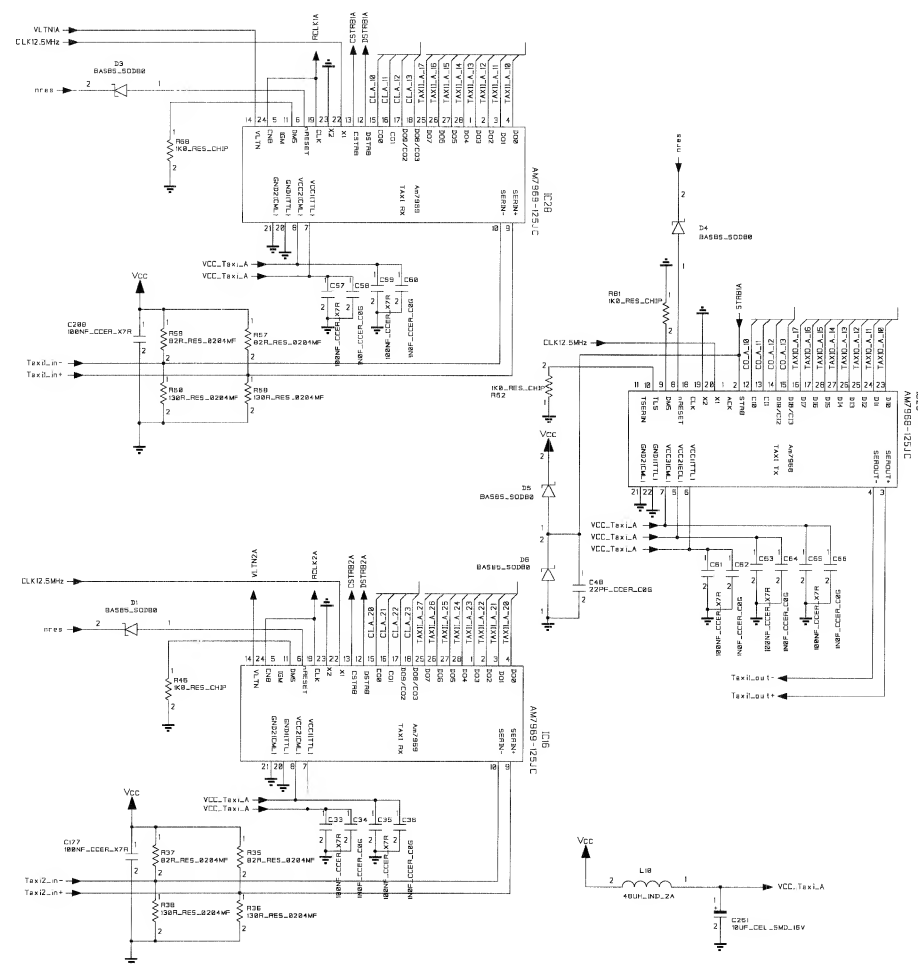
Master



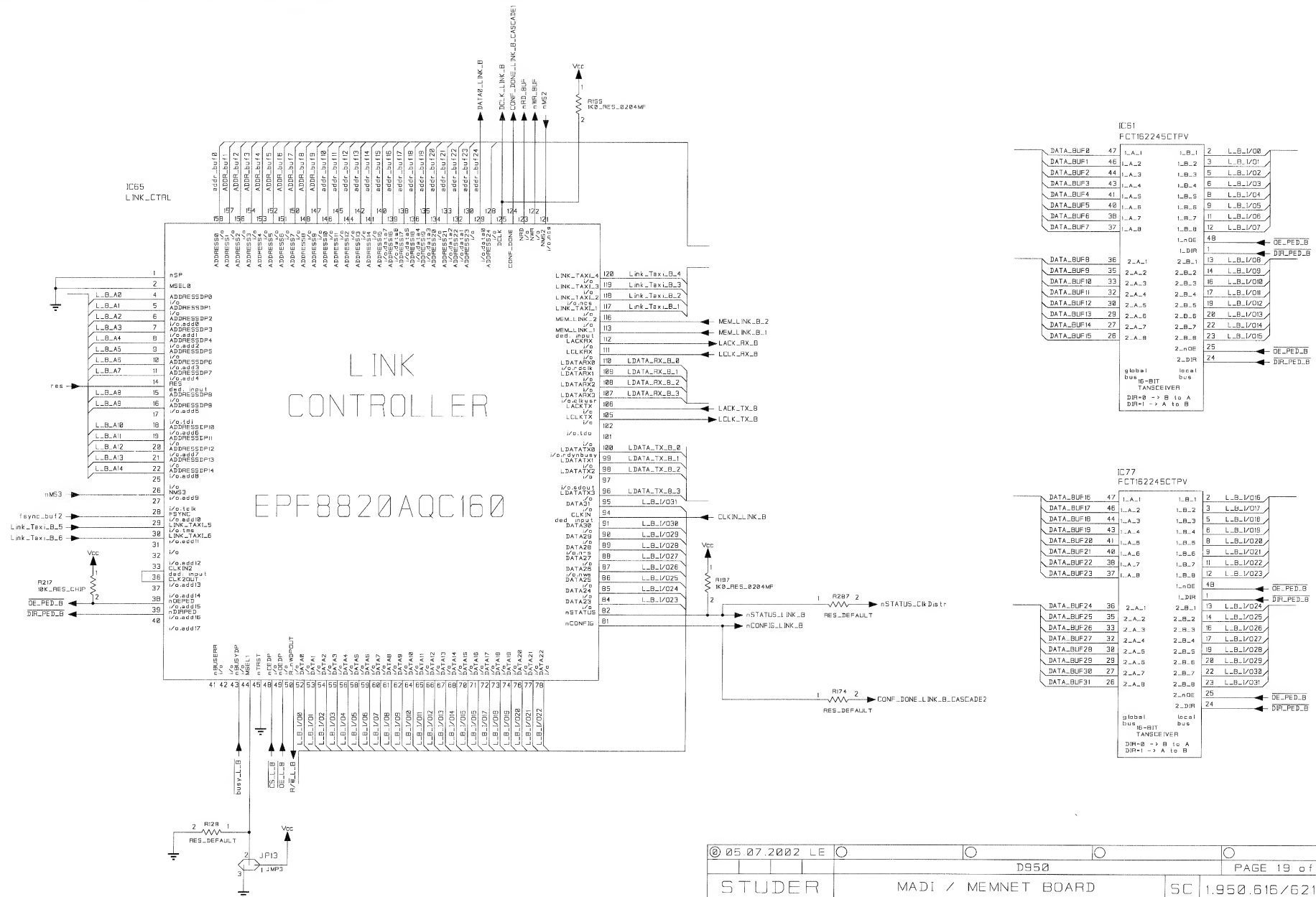
Slave

DPRAM 32KB x 32

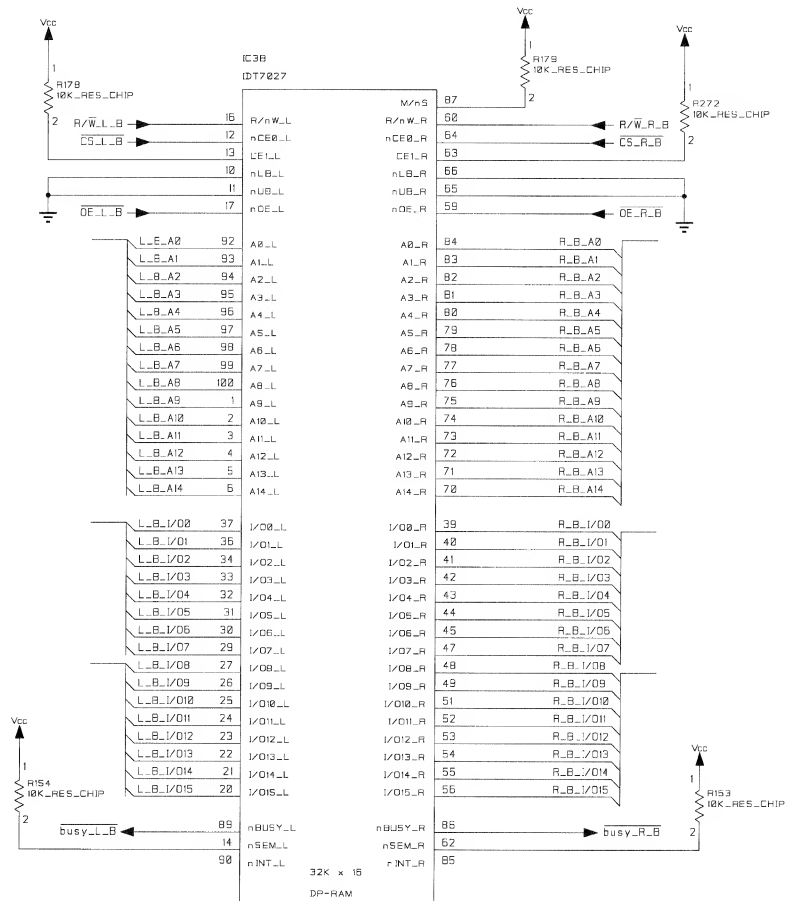
MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)



MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)

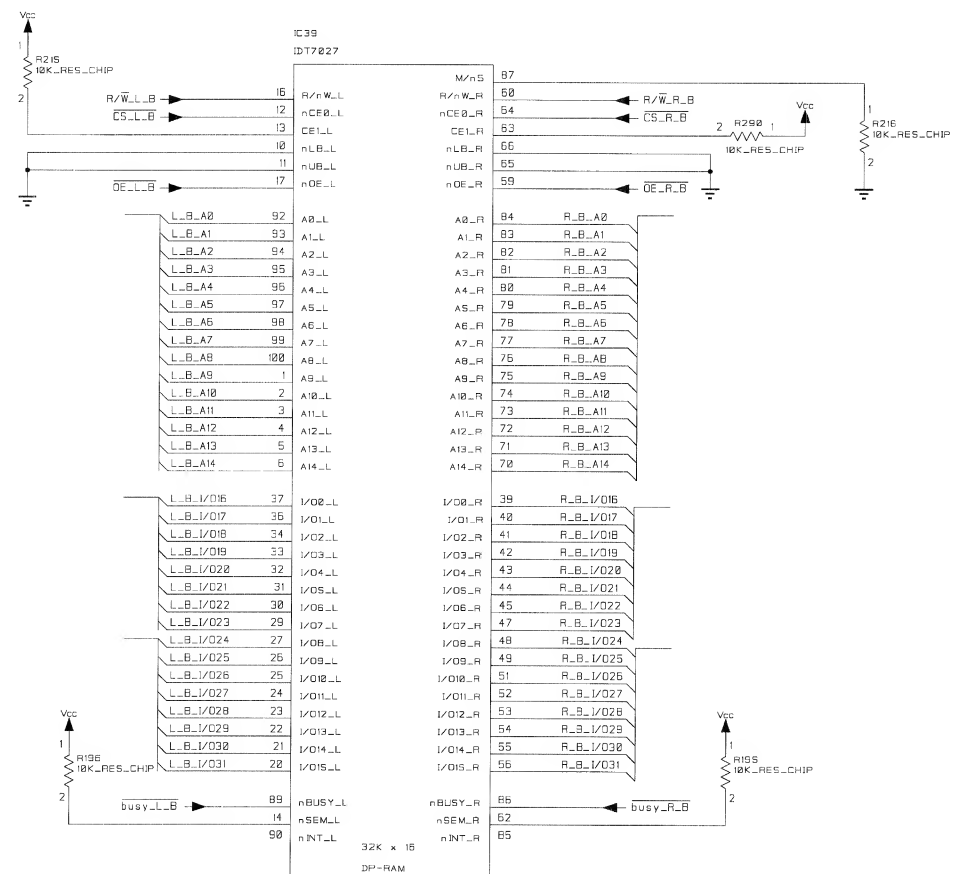


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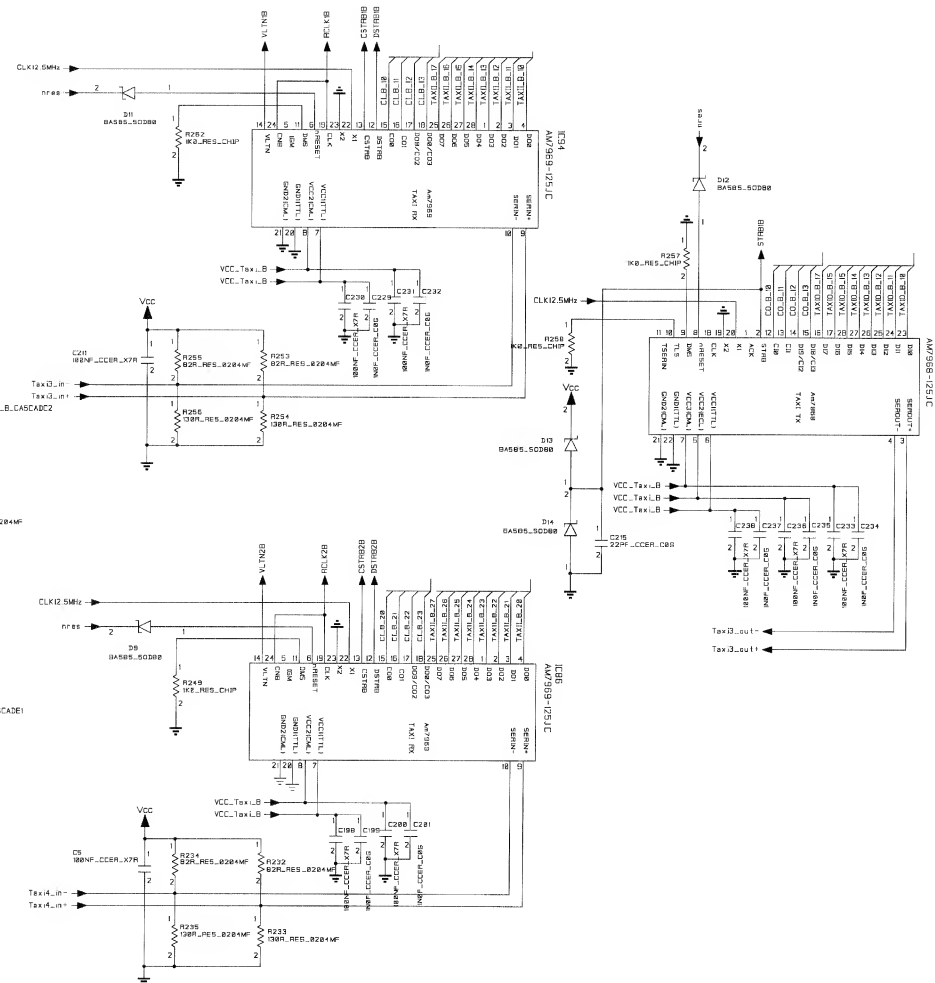


Master

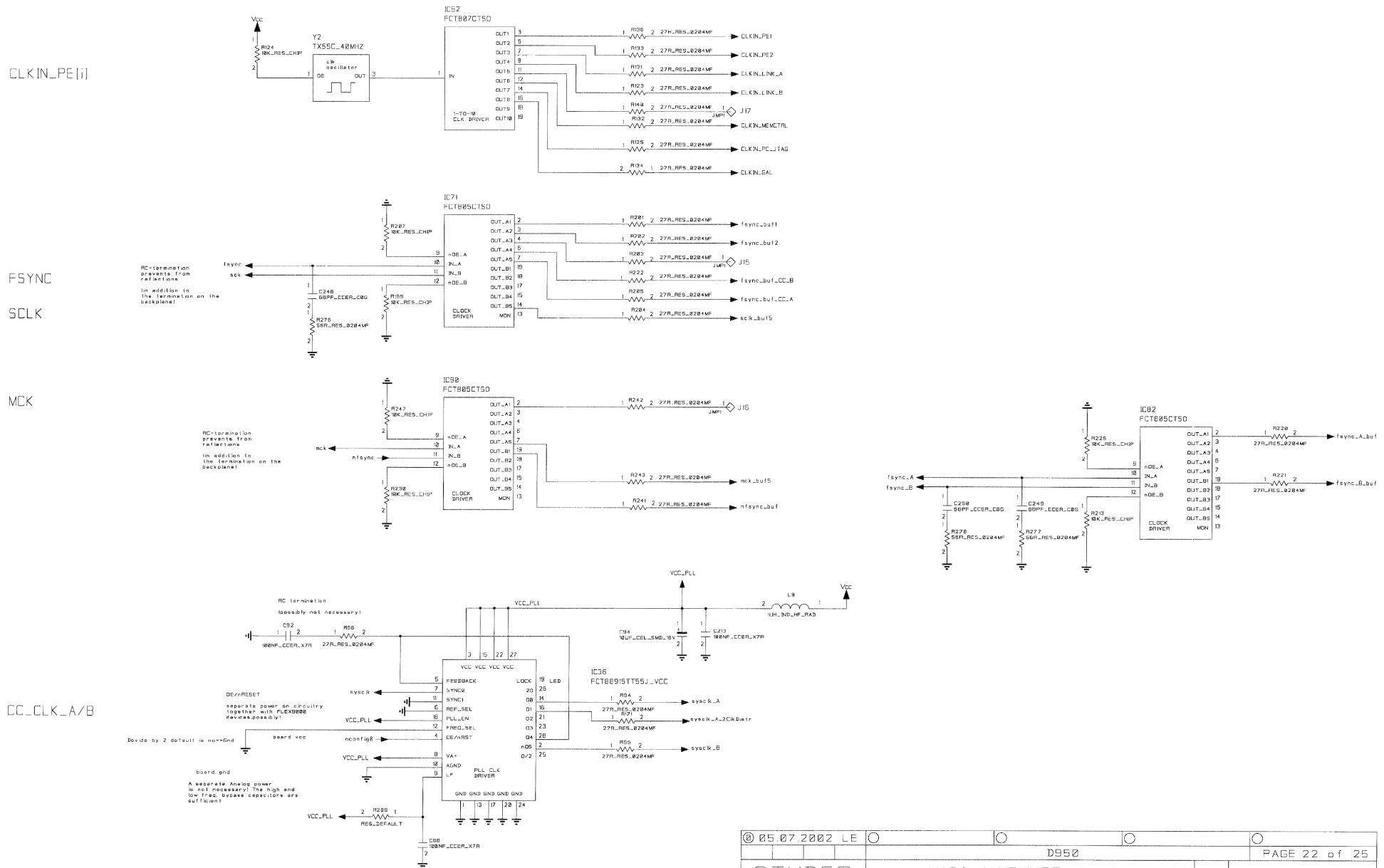
DPRAM 32KB x 32



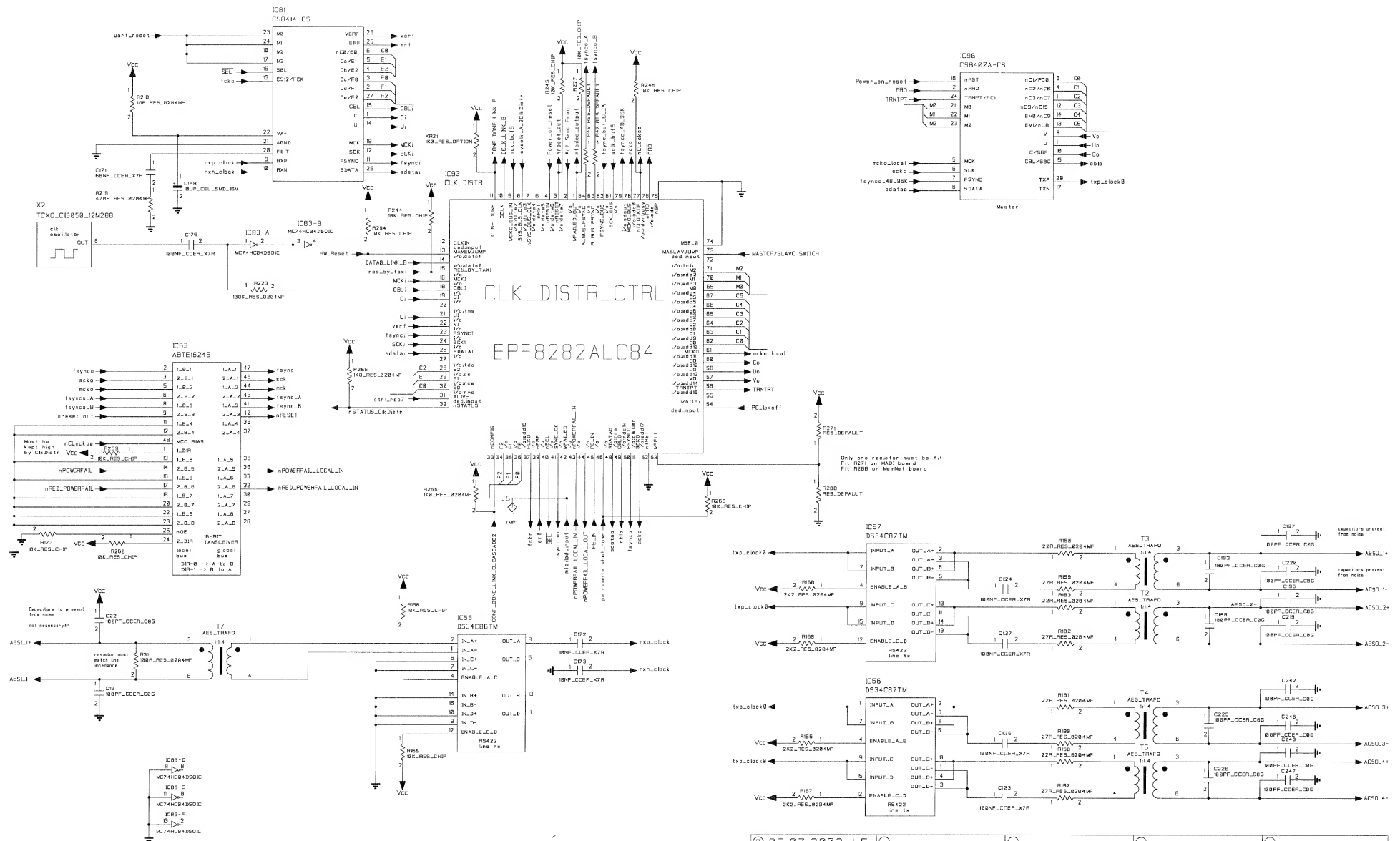
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IC92
TAXI_CTRL_REDUNDANT

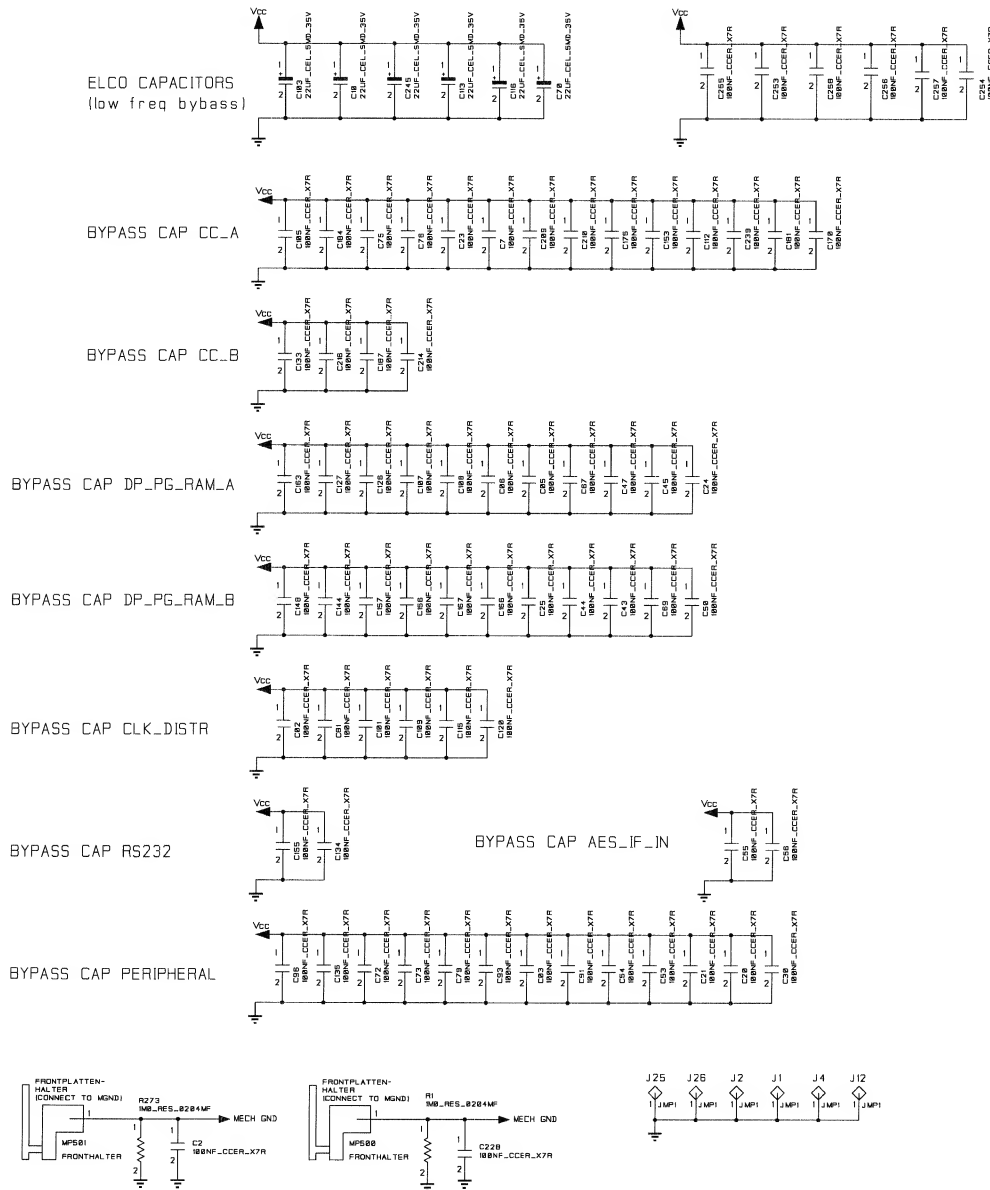
MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)



MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)



MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)



BYPASS CAP PE1

BYPASS CAP PE2

BYPASS CAP PE3

BYPASS CAP PE4

BYPASS CAP PE5

BYPASS CAP PE6

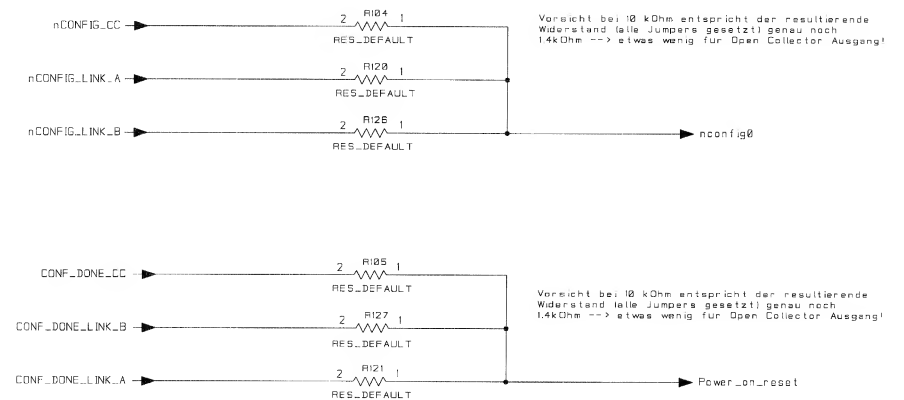
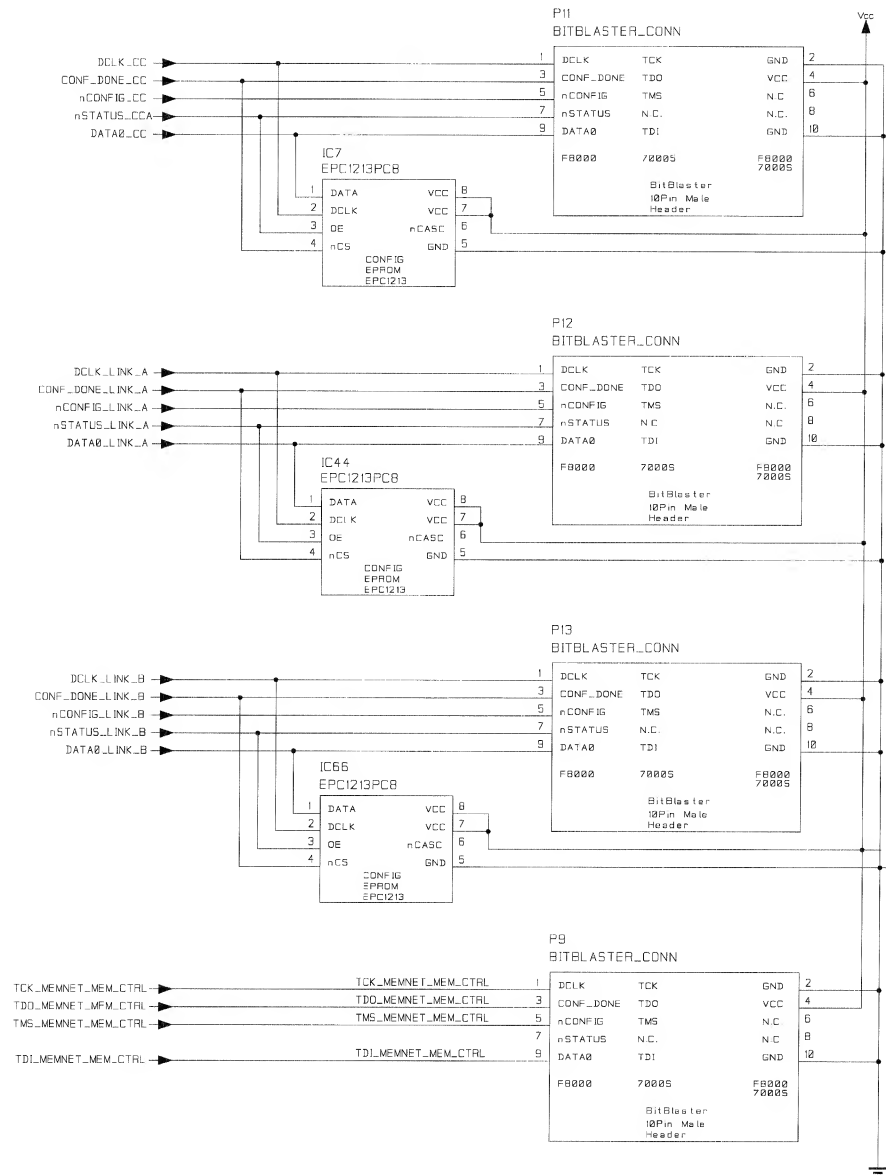
BYPASS CAP AES_IF-PE3

BYPASS CAP AES_IF-PE4

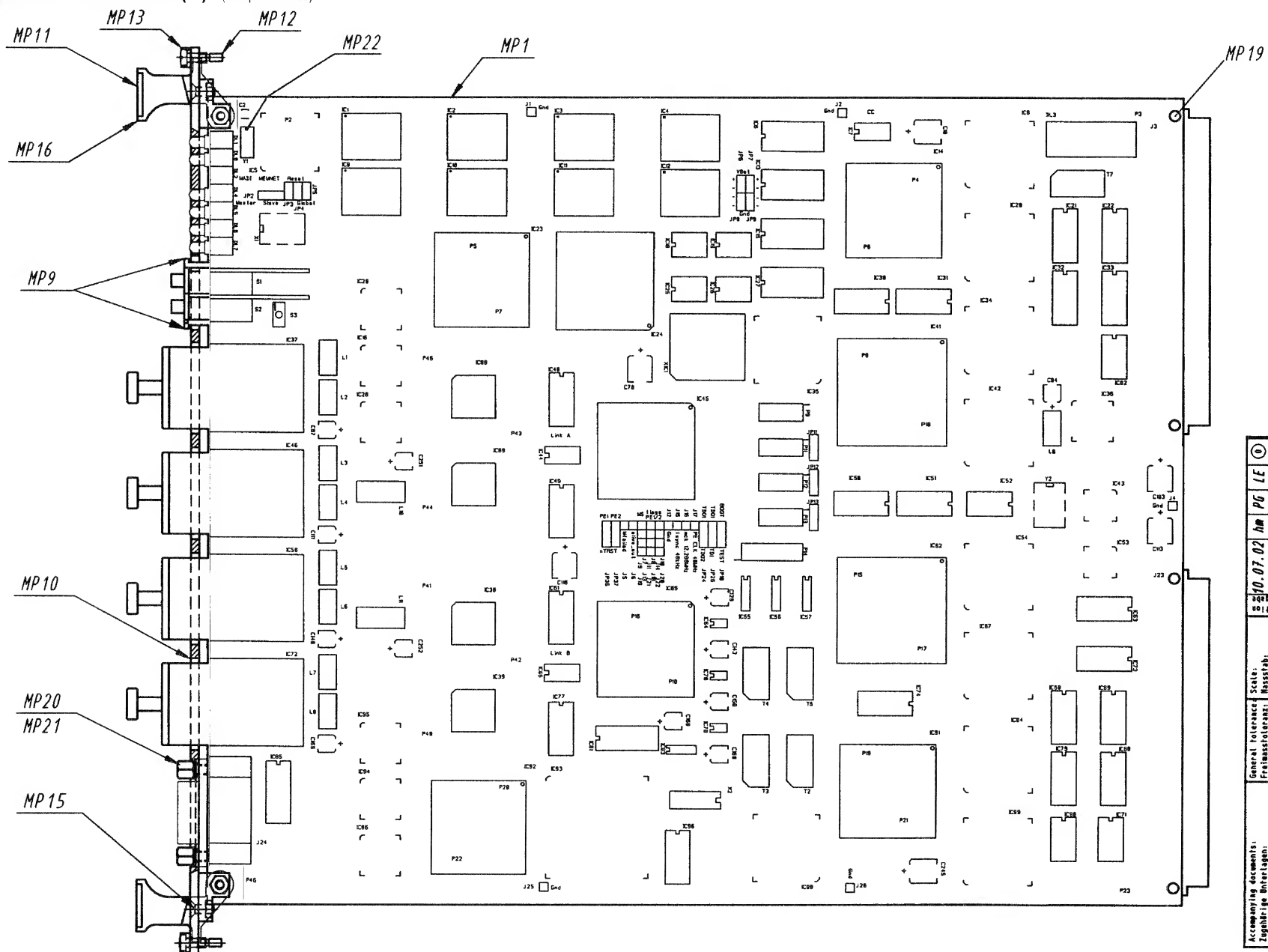
BYPASS CAP AES_IF-PE5

BYPASS CAP AES_IF-OUT

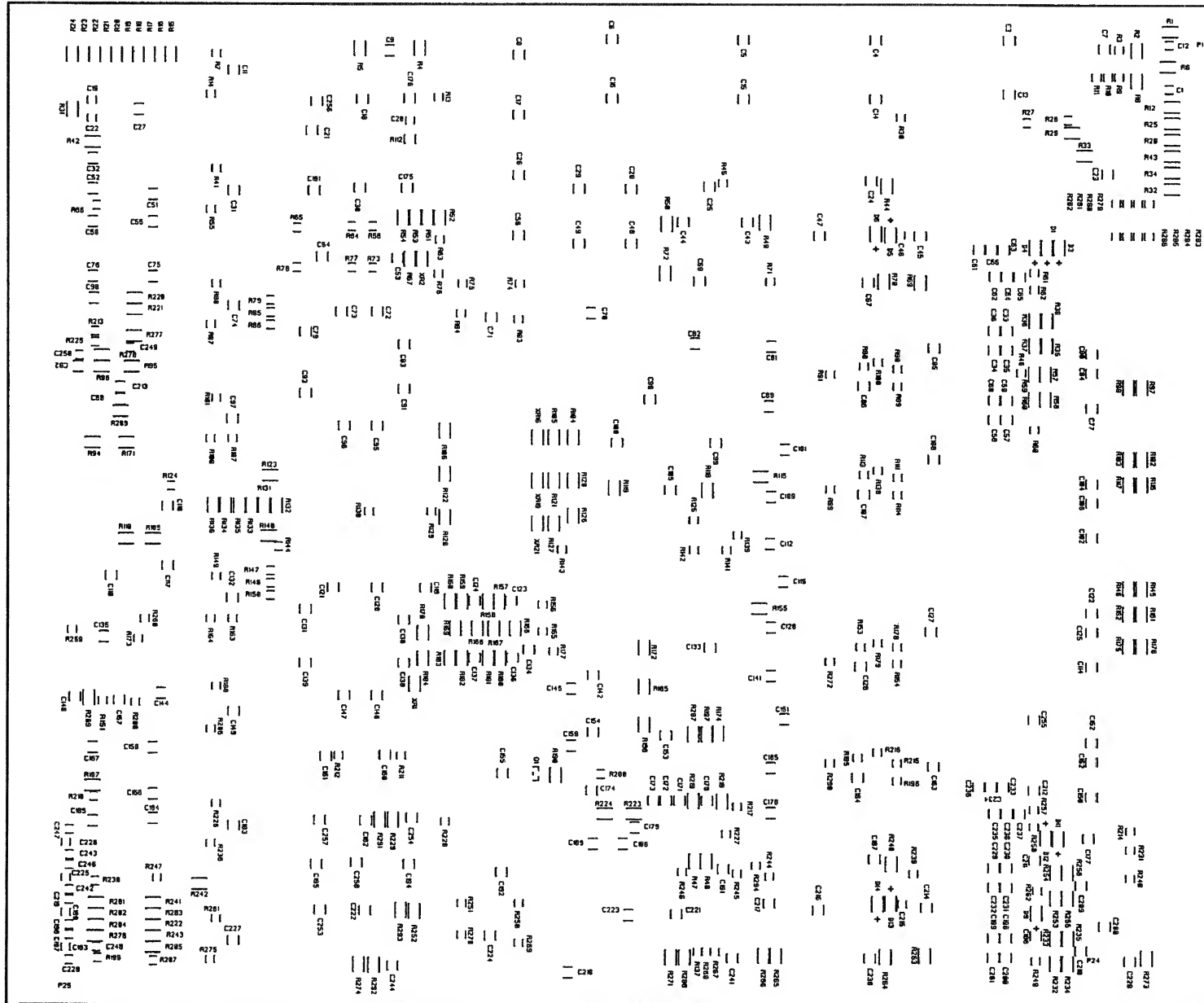
BYPASS CAP AES_IF-PE6

MADI Board 96k 1.950.616.20 (0), MEMNET Board 96k 1.950.621.20 (0)


MADI Board 96k 1.950.616.20 (0) (Component Side)

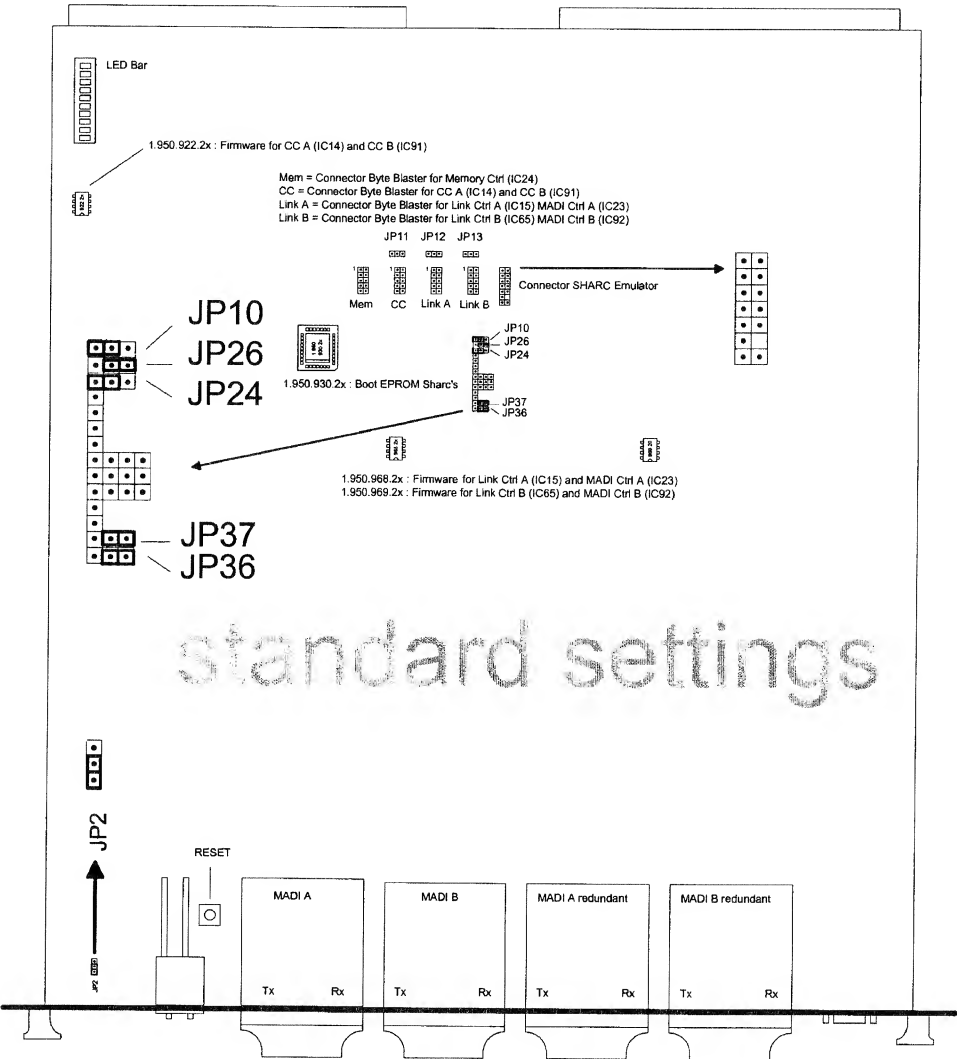


Accompanying documents: Zugabe- und Unterlagen:	General Tolerance Scale: Präzisionsstufen:	10-07-02	hm	pg	LE	①
2	1.	Fillable	Date	Used Stamp	Index	
		Erfüllbar	Druck	Benutz. Stempel		
Substitute for: Ersatz für:	Replaced by: Ersetzt durch:	Original Size: Originalformat:	Page: Seite:	1/3		
STUDIA REGESHOE		Madi Board ESE				
1950.616-20		1.950.616-20				



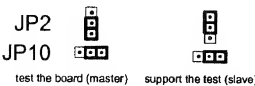
Accompanying documents: Zugehörige Unterlagen:	General tolerance: Fremdabstufungen:	Scale: Maßstab:	10-07-02 Date Datum		10-07-02 Visa begl.	10-07-02 Seen begl.	10-07-02 Index
PL	Substitute for: Ersatz für:	Replaced by: Ersatz durch:	Original Size: Originalformat:		Page: Seite: 2/3		
STUDIA REGENSDORF			Made in Board ESE Number: 1.950.616-20				

MADI Board 96k 1.950.616.20 (0) (Jumper Setting)

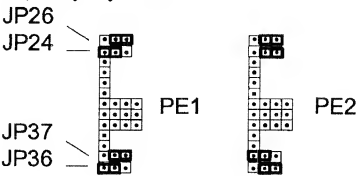


Settings for lab use

Jumper settings for the board test



Jumper settings using the Emulator



Jumper settings Byte Blaster

If you want to program the Altera with the Byte Blaster, you first have to remove the corresponding resistor (R106 for the CC, R122 LinkA, R128 Link B)



Accompanying documents: Zugehörige Unterlagen: <i>PL</i>	General tolerance: Freimasstoleranz: ±	Scale: Maßstab: ./.	Edition Ausgabe 10.07.02 hm PG LE ①
Substitute for: Ersatz für:	Replaced by: Ersetzt durch:	Original Size: Originalformat:	Page: Seite: 3/3
STUDER REGENSDORF			Number: 1.950.616-20

Page: 1 of 5

Date printed: 12.03.03

MADI Board 96k 1.950.616.20 (0)

Page: 2 of 5

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 182	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 183	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 184	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 185	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 186	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 187	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 188	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 189	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 190	not used	100p		CER 50V, 5%, C0G, 0603
0	C 191	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 192	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 193	not used	100p		CER 50V, 5%, C0G, 0603
0	C 194	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 195	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 196	not used	100p		CER 50V, 5%, C0G, 0603
0	C 197	not used	100p		CER 50V, 5%, C0G, 0603
0	C 198	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 199	59.60.2373	1n0		CER 50V, 5%, C0G, 0805
0	C 200	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 201	59.60.2373	1n0		CER 50V, 5%, C0G, 0805
0	C 208	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 209	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 210	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 211	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 212	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 213	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 214	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 215	59.60.2233	22p		CER 50V, 5%, C0G, 0603
0	C 216	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 217	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 218	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 219	not used	100p		CER 50V, 5%, C0G, 0603
0	C 220	not used	100p		CER 50V, 5%, C0G, 0603
0	C 221	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 222	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 223	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 224	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 225	not used	100p		CER 50V, 5%, C0G, 0603
0	C 226	not used	100p		CER 50V, 5%, C0G, 0603
0	C 227	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 228	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 229	59.60.2373	1n0		CER 50V, 5%, C0G, 0805
0	C 230	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 231	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 232	59.60.2373	1n0		CER 50V, 5%, C0G, 0805
0	C 233	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 234	59.60.2373	1n0		CER 50V, 5%, C0G, 0805
0	C 235	59.60.2373	1n0		CER 50V, 5%, C0G, 0805
0	C 236	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 237	59.60.2373	1n0		CER 50V, 5%, C0G, 0805
0	C 238	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 239	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 241	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 242	not used	100p		CER 50V, 5%, C0G, 0603
0	C 243	not used	100p		CER 50V, 5%, C0G, 0603
0	C 244	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 245	59.60.1111	22u		EL 35V, 6.3*5.7
0	C 246	not used	100p		CER 50V, 5%, C0G, 0603
0	C 247	not used	100p		CER 50V, 5%, C0G, 0603
0	C 248	not used	68p		CER 50V, 5%, C0G, 0603
0	C 249	not used	68p		CER 50V, 5%, C0G, 0603
0	C 250	not used	68p		CER 50V, 5%, C0G, 0603
0	C 251	59.60.0065	10u		EL 16V, 4.0*5.7
0	C 252	59.60.0065	10u		EL 16V, 4.0*5.7
0	C 253	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 254	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 255	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 256	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 257	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 258	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	D 1	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0	D 3	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0	D 4	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0	D 5	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0	D 6	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0	D 9	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0	D 11	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0	D 12	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0	D 13	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0	D 14	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0	DL 1	50.04.2750	red		LED mit Halter
0	DL 2	not used	gm		LED mit Halter
0	DL 3	50.04.2811	10*grn		LED-Bargraph 10*green
0	DL 4	50.04.2751	gm		LED mit Halter
0	DL 5	50.04.2751	gm		LED mit Halter
0	DL 6	50.04.2751	gm		LED mit Halter
0	DL 7	50.04.2751	gm		LED mit Halter

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	DL 8	50.04.2751	gm		LED mit Halter
0	IC 1	not used	29F016		Flash Memory 2M*8
0	IC 2	not used	29F016		Flash Memory 2M*8
0	IC 3	not used	29F016		Flash Memory 2M*8
0	IC 4	not used	29F016		Flash Memory 2M*8
0	IC 5	50.63.0203	TL16C550		UART
0	IC 6	not used	62256		SRAM 32K*8, 100ns
0	IC 7	1.950.922.22			SW 605/615 CC (50.63.4298)
0	IC 8	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0	IC 9	not used	29F016		Flash Memory 2M*8
0	IC 10	not used	29F016		Flash Memory 2M*8
0	IC 11	not used	29F016		Flash Memory 2M*8
0	IC 12	not used	29F016		Flash Memory 2M*8
0	IC 13	not used	62256		SRAM 32K*8, 100ns
0	IC 14	50.63.4207	EPF8820R		EPLD 8000 QFP208
0	IC 15	not used	62256		SRAM 32K*8, 100ns
0	IC 16	50.63.0205	AM7969		TAXI Chip Receiver
0	IC 18	not used	DS1210		Backup-Battery Manager
0	IC 19	not used	DS1210		Backup-Battery Manager
0	IC 20	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0	IC 21	50.62.6974	74FCT162374		16bit Bus Latches
0	IC 22	50.62.6745	74ABTE16245		16bit Bus-Driver
0	IC 23	50.63.4208	EPF81188		EPLD 12000 QFP208
0	IC 24	1.950.967.20			SW 616 MEMCTRL (50.63.4206)
0	IC 25	not used	DS1210		Backup-Battery Manager
0	IC 26	not used	DS1210		Backup-Battery Manager
0	IC 27	not used	62256		SRAM 32K*8, 100ns
0	IC 28	50.63.0205	AM7969		TAXI Chip Receiver
0	IC 29	50.63.0204	AM7968		TAXI Chip Transmitter
0	IC 30	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0	IC 31	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0	IC 32	50.62.6974	74FCT162374		16bit Bus Latches
0	IC 33	50.62.6745	74ABTE16245		16bit Bus-Driver
0	IC 34	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0	IC 35	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0	IC 36	50.62.6915	74FCT88915		Clock-Driver
0	IC 37	89.10.0021	HFBR5103		LWL Transceiver FDDI/MADI
0	IC 38	50.63.1704	CY7C027		Dualport RAM, 32K*16
0	IC 39	50.63.1704	CY7C027		Dualport RAM, 32K*16
0	IC 40	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0	IC 41	50.63.0408	ADSP21062		32bit DSP
0	IC 42	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0	IC 43	1.950.920.20			SW 605/10/1 GAL A (50.63.3002)
0	IC 44	1.950.968.20			SW 616 LINK A (50.63.4298)
0	IC 45	50.63.4209	EPF8820Q		EPLD 8000 QFP160
0	IC 46	89.10.0021	HFBR5103		LWL Transceiver FDDI/MADI
0	IC 49	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0	IC 50	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0	IC 51	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0	IC 52	50.62.6907	74FCT807		Share Clock-Driver
0	IC 53	1.950.921.20			SW 605/615 GAL B (50.63.3002)
0	IC 54	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0	IC 55	not used	DS34C86		4*RS 422 Line Receiver
0	IC 56	not used	DS34C87		4*RS 422 Line Driver
0	IC 57	not used	DS34C87		4*RS 422 Line Driver
0	IC 58	89.10.0021	HFBR5103		LWL Transceiver FDDI/MADI
0	IC 61	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0	IC 62	50.63.0408	ADSP21062		32bit DSP
0	IC 63	not used	74ABTE16245		16bit Bus-Driver
0	IC 64	50.63.2001	7705B		Reset Generator
0	IC 65	50.63.4209	EPF8820Q		EPLD 8000 QFP160
0	IC 66	1.950.969.20			SW 616 LINK B (50.63.4298)
0	IC 67	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0	IC 68	50.62.6974	74FCT162374		16bit Bus Latches
0	IC 69	50.62.6745	74ABTE16245		16bit Bus-Driver
0	IC 70	50.63.2001	7705B		Reset Generator
0	IC 71	50.62.6905	49FCT805		Dual Clock-Driver
0	IC 72	89.10.0021	HFBR5103		LWL Transceiver FDDI/MADI
0	IC 73	50.62.6746	74ABTE16246		16bit Bus-Driver o.c.
0	IC 74	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0	IC 77	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0	IC 78	50.63.2001	7705B		Reset Generator
0	IC 79	50.62.6974	74FCT162374		16bit Bus Latches
0	IC 80	50.62.6745	74ABTE16245		16bit Bus-Driver
0	IC 81	not used	CS8414		Digital Audio Receiver 96kHz
0	IC 82	50.62.6905	49FCT805		Dual Clock-Driver
0	IC 83	50.62.1004	74HC 04		Hex inverter
0	IC 84	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0	IC 85	50.62.0462	MAX 225		5*RS 232 Driver/Receiver
0	IC 86	50.63.0205	AM7969		TAXI Chip Receiver
0	IC 88	50.63.1704	CY7C027		Dualport RAM, 32K*16
0	IC 89	50.63.1704	CY7C027		Dualport RAM, 32K*16
0	IC 90	50.62.6905	49FCT805		Dual Clock-Driver
0	IC 91	50.63.4207	EPF8820R		EPLD 8000 QFP208
0	IC 92	50.63.4208	EPF81188		EPLD 12000 QFP208
0	IC 93	50.63.4203	EPLD8282		EPLD 2500 PLCC84
0	IC 94	50.63.0205	AM7969		TAXI Chip Receiver

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 IC 95	50.63.0204		AM7968	TAXI Chip Transmitter
0 IC 96	not used		CS8402A	Dig audio interface transmitt
0 IC 98	50.63.1506		IDT7014	Dualport SRAM, 4K*9
0 IC 99	50.63.1506		IDT7014	Dualport SRAM, 4K*9
0 J 1	not used 1 pce	1p		Pin, freihig, gerade
0 J 2	not used 1 pce	1p		Pin, freihig, gerade
0 J 3	54.11.2009 1 pce	96p		EU-R 3*32p
0 J 4	not used 1 pce	1p		Pin, freihig, gerade
0 J 5	not used 1 pce	1p		Pin, freihig, gerade
0 J 6	not used 1 pce	1p		Pin, freihig, gerade
0 J 7	not used 1 pce	1p		Pin, freihig, gerade
0 J 8	not used 1 pce	1p		Pin, freihig, gerade
0 J 9	not used 1 pce	1p		Pin, freihig, gerade
0 J 10	not used 1 pce	1p		Pin, freihig, gerade
0 J 11	not used 1 pce	1p		Pin, freihig, gerade
0 J 12	not used 1 pce	1p		Pin, freihig, gerade
0 J 13	not used 1 pce	1p		Pin, freihig, gerade
0 J 14	not used 1 pce	1p		Pin, freihig, gerade
0 J 15	not used 1 pce	1p		Pin, freihig, gerade
0 J 16	not used 1 pce	1p		Pin, freihig, gerade
0 J 17	not used 1 pce	1p		Pin, freihig, gerade
0 J 18	not used 1 pce	1p		Pin, freihig, gerade
0 J 19	not used 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 J 20	not used 1 pce	1p		Pin, freihig, gerade
0 J 21	not used 1 pce	1p		Pin, freihig, gerade
0 J 22	not used 1 pce	1p		Pin, freihig, gerade
0 J 23	54.11.2009 1 pce	96p		EU-R 3*32p
0 J 24	54.13.0071 1 pce	9p		D-Sub, PCB, Winkel
0 J 25	not used 1 pce	1p		Pin, freihig, gerade
0 J 26	not used 1 pce	1p		Pin, freihig, gerade
0 J 30	54.01.0021 6 pcs		Jumper	0.63*0.63mm, Au
0 JP 2	54.01.0020 3 pcs	1p		Pin, freihig, gerade
0 JP 3	not used 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 JP 4	not used 1 pce	1p		Pin, freihig, gerade
0 JP 5	not used 1 pce	1p		Pin, freihig, gerade
0 JP 6	not used 2 pcs	1p		Pin, freihig, gerade
0 JP 7	not used 2 pcs	1p		Pin, freihig, gerade
0 JP 8	not used 2 pcs	1p		Pin, freihig, gerade
0 JP 9	not used 2 pcs	1p		Pin, freihig, gerade
0 JP 10	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 JP 11	not used 3 pcs	1p		Pin, freihig, gerade
0 JP 12	not used 3 pcs	1p		Pin, freihig, gerade
0 JP 13	not used 3 pcs	1p		Pin, freihig, gerade
0 JP 24	54.01.0020 3 pce	1p		Pin, freihig, gerade
0 JP 26	not used 1 pce	1p		Pin, freihig, gerade
0 JP 36	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 JP 37	not used 1 pce	1p		Pin, freihig, gerade
0 L 1	62.02.3109	1uH		20%, radial RM 5
0 L 2	62.02.3109	1uH		20%, radial RM 5
0 L 3	62.02.3109	1uH		20%, radial RM 5
0 L 4	62.02.3109	1uH		20%, radial RM 5
0 L 5	62.02.3109	1uH		20%, radial RM 5
0 L 6	62.02.3109	1uH		20%, radial RM 5
0 L 7	62.02.3109	1uH		20%, radial RM 5
0 L 8	62.02.3109	1uH		20%, radial RM 5
0 L 9	62.02.3109	1uH		20%, radial RM 5
0 L 10	62.03.0010	48uH		2A Toroid Chocke
0 L 11	62.03.0010	48uH		2A Toroid Chocke
0 MP 1	1.950.615.13 1 pce			MADIMEMNET PCB
0 MP 2	1.950.615.04 1 pce			TYPENSCHILD
0 MP 3	43.01.0108 1 pce	Label		ESE-WARNschild
0 MP 4	1.101.001.20 1 pce	Label		TEXT-ETIK. 5*20 HARDWARE -20
0 MP 5	not used 2 pcs	M2.5*12		Z - Schraube Zn gb chr
0 MP 6	not used 2 pcs	2.7/5.0		Rippenscheibe
0 MP 7	not used 2 pcs	M2.5		6kt-Mutter 0.8d St gb
0 MP 8	not used 1 pce			VERBINDUNGSKABEL
0 MP 9	55.12.1122 1 pce			Seitenwand
0 MP 10	1.950.615.05 1 pce			Frontplatte MADI
0 MP 11	1.940.600.05 2 pcs			GRIFFEINLAGE 4TE
0 MP 12	49.02.0524 2 pcs		M2.5*12	Schraube spezial
0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)
0 MP 14	not used 2 pcs	1.8*5		Lötspirale Cu Sn
0 MP 15	49.02.0523 2 pcs	M2.5*7		Senk-Schr, KS, Senkripp
0 MP 16	49.02.0514 1 pce	4TE		Frontplatten-Griffsatz
0 MP 17	not used 1 pce			BATTERIEHALTER
0 MP 18	not used 1 pce	3.6V		Lithium-Batterie, 750mAh
0 MP 19	28.99.0119 4 pcs			ROHRNIEE D 2.5*0.15* 9
0 MP 20	54.13.0081 2 pcs	4.85mm		Bolzen UNC 4-40
0 MP 21	24.16.2030 2 pcs	3.2/6.0		Fächerscheibe Form A
0 MP 22	89.01.1499 1 pce			QUARZ - ISOLIERPLATTE
0 MP 23	not used 2 pcs	2.5*92		Kabelbinder
0 MP 24	1.950.615.10 1 pce			BAUGRUPPENSCHILD 10X80
0 P 9	54.01.0020 10 pce	1p		Pin, freihig, gerade
0 P 11	not used 10 pcs	1p		Pin, freihig, gerade
0 P 12	not used 10 pcs	1p		Pin, freihig, gerade
0 P 13	not used 10 pcs	1p		Pin, freihig, gerade
0 P 14	54.01.0020 14 pcs	1p		Pin, freihig, gerade

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 Q 1	50.60.0001		BC847B	NPN 45V 100mA SOT 23
0 R 1	57.60.1105		1M	MF, 1%, 0204, E24
0 R 2	57.60.1105		1M	MF, 1%, 0204, E24
0 R 3	57.69.1097		10k	CF 5% 0603
0 R 4	57.60.1102		1k0	MF, 1%, 0204, E24
0 R 5	57.60.1102		1k0	MF, 1%, 0204, E24
0 R 6	57.60.1331		330R	MF, 1%, 0204, E24
0 R 7	57.69.1097		10k	CF 5% 0603
0 R 8	57.60.1152		1k5	MF, 1%, 0204, E24
0 R 9	57.69.1097		10k	CF 5% 0603
0 R 10	57.69.1097		10k	CF 5% 0603
0 R 11	57.69.1097		10k	CF 5% 0603
0 R 12	57.60.1331		330R	MF, 1%, 0204, E24
0 R 13	57.69.1097		10k	CF 5% 0603
0 R 14	57.69.1097		10k	CF 5% 0603
0 R 15	57.60.1331		330R	MF, 1%, 0204, E24
0 R 16	57.60.1331		330R	MF, 1%, 0204, E24
0 R 17	57.60.1331		330R	MF, 1%, 0204, E24
0 R 18	57.60.1331		330R	MF, 1%, 0204, E24
0 R 19	57.60.1331		330R	MF, 1%, 0204, E24
0 R 20	57.60.1331		330R	MF, 1%, 0204, E24
0 R 21	not used		330R	MF, 1%, 0204, E24
0 R 22	57.60.1331		330R	MF, 1%, 0204, E24
0 R 23	57.60.1331		330R	MF, 1%, 0204, E24
0 R 24	57.60.1331		330R	MF, 1%, 0204, E24
0 R 25	57.60.1331		330R	MF, 1%, 0204, E24
0 R 26	57.69.1097		10k	CF 5% 0603
0 R 27	57.69.1097		10k	CF 5% 0603
0 R 28	57.60.1331		330R	MF, 1%, 0204, E24
0 R 29	57.60.1102		1k0	MF, 1%, 0204, E24
0 R 30	57.69.1097		10k	CF 5% 0603
0 R 31	not used		100R	MF, 1%, 0204, E24
0 R 32	57.60.1331		330R	MF, 1%, 0204, E24
0 R 33	57.60.1330		33R	MF, 1%, 0204, E24
0 R 34	57.60.1331		330R	MF, 1%, 0204, E24
0 R 35	57.60.1820		82R	MF, 1%, 0204, E24
0 R 36	57.60.1131		130R	MF, 1%, 0204, E24
0 R 37	57.60.1820		82R	MF, 1%, 0204, E24
0 R 38	57.60.1131		130R	MF, 1%, 0204, E24
0 R 41	57.69.1097		10k	CF 5% 0603
0 R 42	57.60.1331		330R	MF, 1%, 0204, E24
0 R 43	57.60.1331		330R	MF, 1%, 0204, E24
0 R 44	57.60.1109		1R	MF, 1%, 0204, E24
0 R 45	57.69.1097		10k	CF 5% 0603
0 R 46	57.69.1073		1k0	CF 5% 0603
0 R 47	57.60.1109		1R	MF, 1%, 0204, E24
0 R 48	57.60.1109		1R	MF, 1%, 0204, E24
0 R 49	57.60.1102		1k0	MF, 1%, 0204, E24
0 R 50	57.60.1102		1k0	MF, 1%, 0204, E24
0 R 51	57.60.1181		180R	MF, 1%, 0204, E24
0 R 52	57.60.1680		68R	MF, 1%, 0204, E24
0 R 53	57.60.1181		180R	MF, 1%, 0204, E24
0 R 54	57.60.1680		68R	MF, 1%, 0204, E24
0 R 55	57.69.1097		10k	CF 5% 0603
0 R 56	57.69.1097		10k	CF 5% 0603
0 R 57	57.60.1820		82R	MF, 1%, 0204, E24
0 R 58	57.60.1131		130R	MF, 1%, 0204, E24
0 R 59	57.60.1820		82R	MF, 1%, 0204, E24
0 R 60	57.60.1131		130R	MF, 1%, 0204, E24
0 R 61	57.69.1073		1k0	CF 5% 0603
0 R 62	57.69.1073		1k0	CF 5% 0603
0 R 63	57.69.1097		10k	CF 5% 0603
0 R 64	57.69.1097		10k	CF 5% 0603
0 R 65	57.69.1097		10k	CF 5% 0603
0 R 66	57.69.1097		10k	CF 5% 0603
0 R 67	57.60.1109		1R	MF, 1%, 0204, E24
0 R 68	57.69.1073		1k0	CF 5% 0603
0 R 69	57.60.1102		1k0	MF, 1%, 0204, E24
0 R 70	57.60.1102		1k0	MF, 1%, 0204, E24
0 R 71	57.69.1097		10k	CF 5% 0603
0 R 72	57.60.1102		1k0	MF, 1%, 0204, E24
0 R 73	57.69.1097		10k	CF 5% 0603
0 R 74	57.69.1097		10k	CF 5% 0603
0 R 75	57.69.1097		10k	CF 5% 0603
0 R 76	57.69.1097		10k	CF 5% 0603
0 R 77	57.69.1097		10k	CF 5% 0603
0 R 78	57.69.1097		10k	CF 5% 0603
0 R 79	57.69.1097		10k	CF 5% 0603
0 R 80	57.69.1097		10k	CF 5% 0603
0 R 83	57.69.1097		10k	CF 5% 0603
0 R 84	57.69.1097		10k	CF 5% 0603
0 R 85	57.69.1097		10k	CF 5% 0603
0 R 86	57.69.1097		10k	CF 5% 0603
0 R 87	57.69.1097		10k	CF 5% 0603
0 R 88	57.69.1097		10k	CF 5% 0603
0 R 89	57.69.1097		10k	CF 5% 0603
0 R 90	57.69.1097		10k	CF 5% 0603

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Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 91	57.69.1097	10k		CF 5% 0603
0	R 94	57.60.1270	27R		MF, 1%, 0204, E24
0	R 95	57.60.1270	27R		MF, 1%, 0204, E24
0	R 96	57.60.1270	27R		MF, 1%, 0204, E24
0	R 97	57.60.1820	82R		MF, 1%, 0204, E24
0	R 98	57.60.1131	130R		MF, 1%, 0204, E24
0	R 99	57.69.1097	10k		CF 5% 0603
0	R 100	57.69.1097	10k		CF 5% 0603
0	R 101	57.69.1097	10k		CF 5% 0603
0	R 102	57.60.1820	82R		MF, 1%, 0204, E24
0	R 103	57.60.1131	130R		MF, 1%, 0204, E24
0	R 104	57.60.1109	1R		MF, 1%, 0204, E24
0	R 105	not used	1R		MF, 1%, 0204, E24
0	R 106	57.60.1109	1R		MF, 1%, 0204, E24
0	R 107	57.69.1097	10k		CF 5% 0603
0	R 108	57.69.1097	10k		CF 5% 0603
0	R 109	57.60.1680	68R		MF, 1%, 0204, E24
0	R 110	57.60.1181	180R		MF, 1%, 0204, E24
0	R 111	57.69.1097	10k		CF 5% 0603
0	R 112	57.69.1097	10k		CF 5% 0603
0	R 113	57.69.1097	10k		CF 5% 0603
0	R 114	57.69.1097	10k		CF 5% 0603
0	R 115	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 116	57.60.1820	82R		MF, 1%, 0204, E24
0	R 117	57.60.1131	130R		MF, 1%, 0204, E24
0	R 118	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 119	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 120	57.60.1109	1R		MF, 1%, 0204, E24
0	R 121	not used	1R		MF, 1%, 0204, E24
0	R 122	57.60.1109	1R		MF, 1%, 0204, E24
0	R 123	57.60.1270	27R		MF, 1%, 0204, E24
0	R 124	57.69.1097	10k		CF 5% 0603
0	R 125	57.69.1097	10k		CF 5% 0603
0	R 126	57.60.1109	1R		MF, 1%, 0204, E24
0	R 127	57.60.1109	1R		MF, 1%, 0204, E24
0	R 128	57.60.1109	1R		MF, 1%, 0204, E24
0	R 129	57.69.1097	10k		CF 5% 0603
0	R 130	57.69.1097	10k		CF 5% 0603
0	R 131	57.60.1270	27R		MF, 1%, 0204, E24
0	R 132	57.60.1270	27R		MF, 1%, 0204, E24
0	R 133	57.60.1270	27R		MF, 1%, 0204, E24
0	R 134	57.60.1270	27R		MF, 1%, 0204, E24
0	R 135	57.60.1270	27R		MF, 1%, 0204, E24
0	R 136	57.60.1270	27R		MF, 1%, 0204, E24
0	R 137	57.69.1097	10k		CF 5% 0603
0	R 138	57.69.1097	10k		CF 5% 0603
0	R 139	57.69.1097	10k		CF 5% 0603
0	R 140	57.60.1270	27R		MF, 1%, 0204, E24
0	R 141	57.69.1097	10k		CF 5% 0603
0	R 142	57.69.1097	10k		CF 5% 0603
0	R 143	57.69.1097	10k		CF 5% 0603
0	R 144	57.69.1097	10k		CF 5% 0603
0	R 145	57.60.1820	82R		MF, 1%, 0204, E24
0	R 146	57.60.1131	130R		MF, 1%, 0204, E24
0	R 147	57.69.1097	10k		CF 5% 0603
0	R 148	57.69.1097	10k		CF 5% 0603
0	R 149	57.69.1097	10k		CF 5% 0603
0	R 150	not used	10k		CF 5% 0603
0	R 151	not used	10k		CF 5% 0603
0	R 153	57.69.1097	10k		CF 5% 0603
0	R 154	57.69.1097	10k		CF 5% 0603
0	R 155	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 156	not used	10k		CF 5% 0603
0	R 157	not used	27R		MF, 1%, 0204, E24
0	R 158	not used	22R		MF, 1%, 0204, E24
0	R 159	not used	27R		MF, 1%, 0204, E24
0	R 160	not used	22R		MF, 1%, 0204, E24
0	R 161	57.60.1820	82R		MF, 1%, 0204, E24
0	R 162	57.60.1131	130R		MF, 1%, 0204, E24
0	R 163	57.69.1097	10k		CF 5% 0603
0	R 164	57.69.1097	10k		CF 5% 0603
0	R 165	not used	10k		CF 5% 0603
0	R 166	not used	2k2		MF, 1%, 0204, E24
0	R 167	not used	2k2		MF, 1%, 0204, E24
0	R 168	not used	2k2		MF, 1%, 0204, E24
0	R 169	not used	2k2		MF, 1%, 0204, E24
0	R 170	57.60.1680	68R		MF, 1%, 0204, E24
0	R 171	57.60.1270	27R		MF, 1%, 0204, E24
0	R 172	57.60.1100	10R		MF, 1%, 0204, E24
0	R 173	not used	10k		CF 5% 0603
0	R 174	not used	1R		MF, 1%, 0204, E24
0	R 175	57.60.1131	130R		MF, 1%, 0204, E24
0	R 176	57.60.1820	82R		MF, 1%, 0204, E24
0	R 177	57.69.1097	10k		CF 5% 0603
0	R 178	57.69.1097	10k		CF 5% 0603
0	R 179	57.69.1097	10k		CF 5% 0603
0	R 180	not used	27R		MF, 1%, 0204, E24

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 181	not used	22R		MF, 1%, 0204, E24
0	R 182	not used	27R		MF, 1%, 0204, E24
0	R 183	not used	22R		MF, 1%, 0204, E24
0	R 184	57.60.1181	180R		MF, 1%, 0204, E24
0	R 185	57.60.1100	10R		MF, 1%, 0204, E24
0	R 186	57.69.1097	10k		CF 5% 0603
0	R 187	57.60.1331	330R		MF, 1%, 0204, E24
0	R 190	57.60.1103	10k		MF, 1%, 0204, E24
0	R 195	57.69.1097	10k		CF 5% 0603
0	R 196	57.69.1097	10k		CF 5% 0603
0	R 197	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 198	57.60.1100	10R		MF, 1%, 0204, E24
0	R 199	57.69.1097	10k		CF 5% 0603
0	R 200	57.69.1097	10k		CF 5% 0603
0	R 201	57.60.1270	27R		MF, 1%, 0204, E24
0	R 202	57.60.1270	27R		MF, 1%, 0204, E24
0	R 203	57.60.1270	27R		MF, 1%, 0204, E24
0	R 204	57.60.1270	27R		MF, 1%, 0204, E24
0	R 205	57.60.1270	27R		MF, 1%, 0204, E24
0	R 206	57.69.1097	10k		CF 5% 0603
0	R 207	57.69.1097	10k		CF 5% 0603
0	R 208	57.69.1097	10k		CF 5% 0603
0	R 209	57.60.1331	330R		MF, 1%, 0204, E24
0	R 210	57.69.1097	10k		CF 5% 0603
0	R 211	57.69.1097	10k		CF 5% 0603
0	R 212	57.69.1097	10k		CF 5% 0603
0	R 213	57.69.1097	10k		CF 5% 0603
0	R 214	57.69.1097	10k		CF 5% 0603
0	R 215	57.69.1097	10k		CF 5% 0603
0	R 216	57.69.1097	10k		CF 5% 0603
0	R 217	57.69.1097	10k		CF 5% 0603
0	R 218	not used	10R		MF, 1%, 0204, E24
0	R 219	not used	470R		MF, 1%, 0204, E24
0	R 220	57.60.1270	27R		MF, 1%, 0204, E24
0	R 221	57.60.1270	27R		MF, 1%, 0204, E24
0	R 222	57.60.1270	27R		MF, 1%, 0204, E24
0	R 223	57.60.1104	100k		MF, 1%, 0204, E24
0	R 224	57.60.1104	100k		MF, 1%, 0204, E24
0	R 225	57.69.1097	10k		CF 5% 0603
0	R 226	57.69.1097	10k		CF 5% 0603
0	R 227	57.69.1097	10k		CF 5% 0603
0	R 228	57.69.1097	10k		CF 5% 0603
0	R 229	57.60.1109	1R		MF, 1%, 0204, E24
0	R 230	57.69.1097	10k		CF 5% 0603
0	R 231	57.69.1097	10k		CF 5% 0603
0	R 232	57.60.1820	82R		MF, 1%, 0204, E24
0	R 233	57.60.1131	130R		MF, 1%, 0204, E24
0	R 234	57.60.1820	82R		MF, 1%, 0204, E24
0	R 235	57.60.1131	130R		MF, 1%, 0204, E24
0	R 236	57.69.1097	10k		CF 5% 0603
0	R 239	57.69.1097	10k		CF 5% 0603
0	R 240	57.60.1109	1R		MF, 1%, 0204, E24
0	R 241	57.60.1270	27R		MF, 1%, 0204, E24
0	R 242	57.60.1270	27R		MF, 1%, 0204, E24
0	R 243	57.60.1270	27R		MF, 1%, 0204, E24
0	R 244	57.69.1097	10k		CF 5% 0603
0	R 245	57.69.1097	10k		CF 5% 0603
0	R 246	57.69.1097	10k		CF 5% 0603
0	R 247	57.69.1097	10k		CF 5% 0603
0	R 248	57.69.1097	10k		CF 5% 0603
0	R 249	57.69.1073	1k0		CF 5% 0603
0	R 250	57.69.1097	10k		CF 5% 0603
0	R 251	57.69.1097	10k		CF 5% 0603
0	R 252	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 253	57.60.1820	82R		MF, 1%, 0204, E24
0	R 254	57.60.1131	130R		MF, 1%, 0204, E24
0	R 255	57.60.1820	82R		MF, 1%, 0204, E24
0	R 256	57.60.1131	130R		MF, 1%, 0204, E24
0	R 257	57.69.1073	1k0		CF 5% 0603
0	R 258	57.69.1073	1k0		CF 5% 0603
0	R 259	not used	10k		CF 5% 0603
0	R 260	not used	10k		CF 5% 0603
0	R 261	57.69.1097	10k		CF 5% 0603
0	R 262	57.69.1073	1k0		CF 5% 0603
0	R 263	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 264	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 265	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 266	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 267	57.69.1097	10k		CF 5% 0603
0	R 268	57.69.1097	10k		CF 5% 0603
0	R 269	57.69.1097	10k		CF 5% 0603
0	R 270	57.69.1097	10k		CF 5% 0603
0	R 271	57.60.1109	1R		MF, 1%, 0204, E24
0	R 272	57.69.1097	10k		CF 5% 0603
0	R 273	57.60.1105	1M		MF, 1%, 0204, E24
0	R 274	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 275	57.69.1097	10k		CF 5% 0603

MADI Board 96k 1.950.616.20 (0)

Page: 5 of 5

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 276	not used		56R	MF, 1%, 0204, E24
0	R 277	not used		56R	MF, 1%, 0204, E24
0	R 278	not used		56R	MF, 1%, 0204, E24
0	R 279	57.69.1097		10k	CF 5% 0603
0	R 280	57.69.1097		10k	CF 5% 0603
0	R 281	57.69.1097		10k	CF 5% 0603
0	R 282	57.69.1097		10k	CF 5% 0603
0	R 283	57.69.1097		10k	CF 5% 0603
0	R 284	57.69.1097		10k	CF 5% 0603
0	R 285	57.69.1097		10k	CF 5% 0603
0	R 286	57.69.1097		10k	CF 5% 0603
0	R 287	not used		1R	MF, 1%, 0204, E24
0	R 288	not used		1R	MF, 1%, 0204, E24
0	R 289	not used		1R	MF, 1%, 0204, E24
0	R 290	57.69.1097		10k	CF 5% 0603
0	R 291	not used		1R	MF, 1%, 0204, E24
0	R 292	not used		1R	MF, 1%, 0204, E24
0	R 293	not used		1R	MF, 1%, 0204, E24
0	R 294	57.69.1097		10k	CF 5% 0603
0	S 1	55.12.1121			Code-Switch
0	S 2	55.12.1121			Code-Switch
0	S 3	55.15.0138		1*A	S 1 TASTE, 1*A,IMPULS,1.0 N
0	T 2	not used		1:1.4	OUTPUT TRAFO AES/EBU
0	T 3	not used		1:1.4	OUTPUT TRAFO AES/EBU
0	T 4	not used		1:1.4	OUTPUT TRAFO AES/EBU
0	T 5	not used		1:1.4	OUTPUT TRAFO AES/EBU
0	T 7	not used		1:1.4	OUTPUT TRAFO AES/EBU
0	X 1	89.60.2001		12.5MHz	XTAL Oscillator
0	X 2	not used		12.288MHz	TCXO Xtal-Oscillator temp comp
0	XDL 3	53.03.0165		20p	DIL 0.3", lot, gerade
0	XIC 1	1.950.930.25			SW605/10/16/21 RTOSBOOT(.1301)
0	XIC 7	53.03.0166		8p	DIL 0.3", lot, gerade
0	XIC 44	53.03.0166		8p	DIL 0.3", lot, gerade
0	XIC 66	53.03.0166		8p	DIL 0.3", lot, gerade
0	XR 1	not used		1R	MF, 1%, 0204, E24
0	XR 2	not used		1R	MF, 1%, 0204, E24
0	XR 16	57.60.1102		1k0	MF, 1%, 0204, E24
0	XR 19	57.60.1102		1k0	MF, 1%, 0204, E24
0	XR 21	not used		1k0	MF, 1%, 0204, E24
0	XXIC 1	53.03.2232		32p	PLCC-Socket
0	Y 1	89.01.1017		1.8432MHz	XTAL HC49U
0	Y 2	89.60.2004		40.0MHz	XTAL Oscillator

End of List

MP11 MP13 MP12 MP22 MP1 MP16 MP9 MP10 MP20 MP21 MP15

MP19 MP23 MP14 blk red MP5,6,7 MP17 MP18

to JP7/JP9

10.07.02 hm
Date Date
Datum Datum
Original Size:
Originalformat:
1.950.
General tolerance S
Replaced by:
Ersetzt durch:

Accompanying documents:
Zugehörige Unterlagen:
PL
Substitute for:
Ersetzt für:

STUDIA
REGENSDORF
Memnet Board ES

Edition Ausgabe	10.07.02	hm	PG	LE	
Date Datum		Vista Verz.	Checked Gepr.	Seen Ges.	in
Original Size:			Page:		
Original format:			Seite: 1/3		
Number: nummer:					

1.950.621-2

1.950.621-2

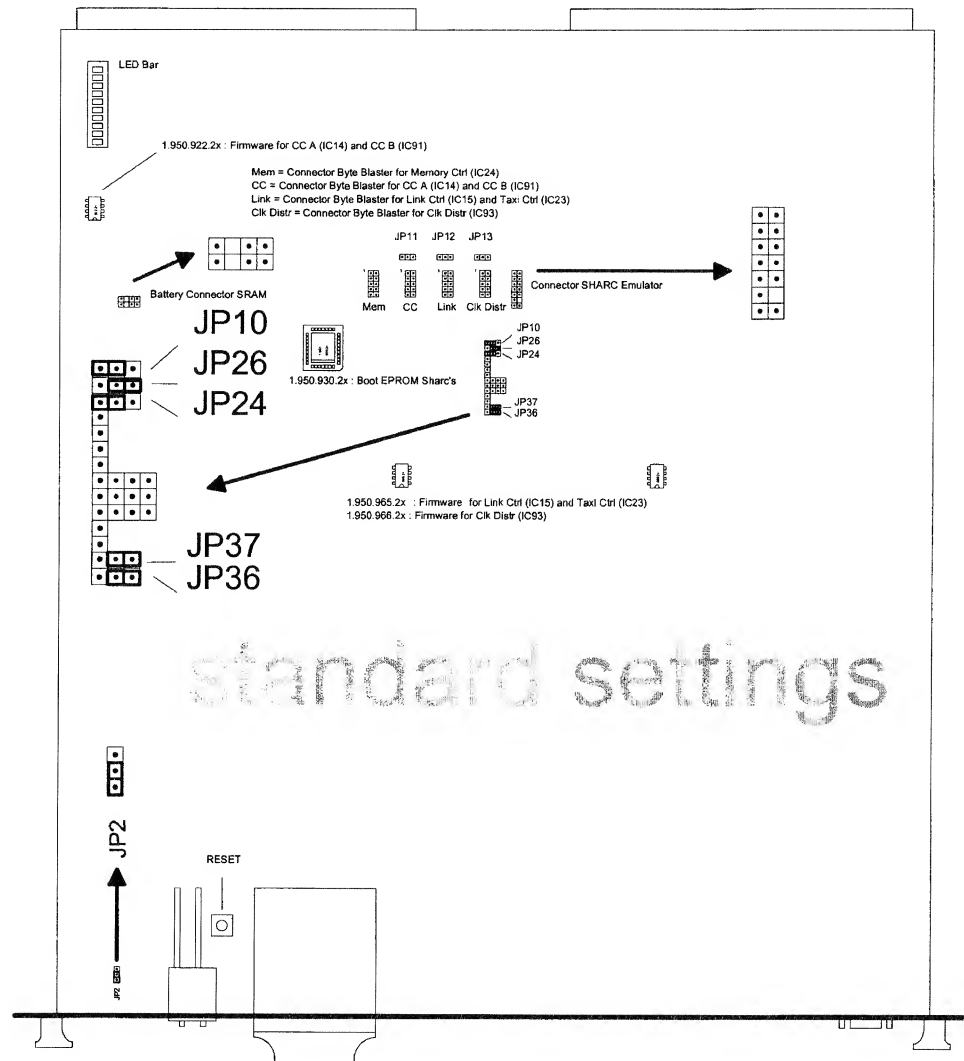
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PL	±	./.
Substitute for: Ersatz für:	Replaced by: Ersetzt durch:	

STUDIO REGENSDORF	Description: Accession:	Memnet Board ESE
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

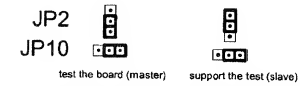
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STUDIA REGENSDORF			Memnet Board ESE				
Beschreibung:			Number: 1.950.621-20				

MEMNET Board 96k 1.950.621.20 (0) (Jumper Setting)

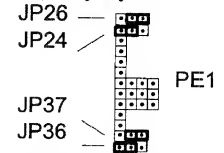


Settings for lab use

Jumper settings for the board test



Jumper settings using the Emulator



Jumper settings Byte Blaster

If you want to program the Altera with the Byte Blaster, you first have to remove the corresponding resistor (R106 for the CC, R122 Link, R128 Clk Distr)

JP11,12,13

Rx removed
programming by EPC1Rx removed
programming over Bit Blaster

Accompanying documents: Zugehörige Unterlagen:	General Tolerance: Freimasstoleranz:	Scale: Maßstab:	Edition Ausgabe	10.07.02	hm	PG	LE	Ⓢ
Substitute for: Ersatz für:	Replaced by: Ersetzt durch:	Original Size: Originalformat:	Date Datum	Visa Gez.	Check Gepr.	Seen Ges.	Index	
STUDER REGENSDORF	Memnet Board ESE	Number: Nummer:	1.950.621-20					

Page: 1 of 5

Date printed: 12.03.03

MEMNET Board 96k 1.950.621.20 (0)

Page: 2 of 5

Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 182	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 8	50.04.2751	grn		LED mit Halter
0 C 183	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 1	50.63.1302	29F016		Flash Memory 2M*8
0 C 184	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 2	50.63.1302	29F016		Flash Memory 2M*8
0 C 185	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 3	50.63.1302	29F016		Flash Memory 2M*8
0 C 186	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 4	50.63.1302	29F016		Flash Memory 2M*8
0 C 187	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 5	50.63.0203	TL16C550		UART
0 C 188	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 6	50.63.1503	62256		SRAM 32K*8, 100ns
0 C 189	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 7	1.950.922.22			SW 605/615 CC (50.63.4298)
0 C 190	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 8	not used	IDT7014		Dualport SRAM, 4K*9
0 C 191	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 9	50.63.1302	29F016		Flash Memory 2M*8
0 C 192	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 10	50.63.1302	29F016		Flash Memory 2M*8
0 C 193	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 11	50.63.1302	29F016		Flash Memory 2M*8
0 C 194	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 12	50.63.1302	29F016		Flash Memory 2M*8
0 C 195	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 13	50.63.1503	62256		SRAM 32K*8, 100ns
0 C 196	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 14	not used	EPF8820R		EPLD 8000 QFP208
0 C 197	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 15	50.63.1503	62256		SRAM 32K*8, 100ns
0 C 198	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 16	not used	AM7969		TAXI Chip Receiver
0 C 199	not used	1n0		CER 50V, 5%, COG, 0805	0 IC 18	50.63.1599	DS1210		Backup-Battery Manager
0 C 200	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 19	50.63.1599	DS1210		Backup-Battery Manager
0 C 201	not used	1n0		CER 50V, 5%, COG, 0805	0 IC 20	not used	IDT7014		Dualport SRAM, 4K*9
0 C 208	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 21	not used	74FCT162374		16bit Bus Latches
0 C 209	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 22	not used	74ABTE16245		16bit Bus-Driver
0 C 210	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 23	50.63.4208	EPF81188		EPLD 12000 QFP208
0 C 211	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 24	1.950.964.20			SW 621 MEMCTRL (50.63.4206)
0 C 212	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 25	50.63.1599	DS1210		Backup-Battery Manager
0 C 213	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 26	50.63.1599	DS1210		Backup-Battery Manager
0 C 214	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 27	50.63.1503	62256		SRAM 32K*8, 100ns
0 C 215	not used	22p		CER 50V, 5%, COG, 0603	0 IC 28	50.63.0205	AM7969		TAXI Chip Receiver
0 C 216	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 29	50.63.0204	AM7968		TAXI Chip Transmitter
0 C 217	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 30	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 C 218	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 31	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 C 219	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 32	not used	74FCT162374		16bit Bus Latches
0 C 220	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 33	not used	74ABTE16245		16bit Bus-Driver
0 C 221	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 34	not used	IDT7014		Dualport SRAM, 4K*9
0 C 222	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 35	not used	IDT7014		Dualport SRAM, 4K*9
0 C 223	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 36	50.62.6915	74FCT88915		Clock-Driver
0 C 224	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 37	89.10.0021	HFBR5103		LWL Transceiver FDDI/MADI
0 C 225	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 38	not used	CYC027		Dualport RAM, 32K*16
0 C 226	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 39	not used	CYC027		Dualport RAM, 32K*16
0 C 227	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 40	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 C 228	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 41	50.63.0408	ADSP21062		32bit DSP
0 C 229	not used	1n0		CER 50V, 5%, COG, 0805	0 IC 42	not used	IDT7014		Dualport SRAM, 4K*9
0 C 230	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 43	not used			SW 605/10/1 GAL A (50.63.3002)
0 C 231	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 44	1.950.965.20			SW 621 LINK A (50.63.4298)
0 C 232	not used	1n0		CER 50V, 5%, COG, 0805	0 IC 45	50.63.4209	EPF8820Q		EPLD 8000 QFP160
0 C 233	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 46	not used	HFBR5103		LWL Transceiver FDDI/MADI
0 C 234	not used	1n0		CER 50V, 5%, COG, 0805	0 IC 49	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 C 235	not used	1n0		CER 50V, 5%, COG, 0805	0 IC 50	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 C 236	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 51	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 C 237	not used	1n0		CER 50V, 5%, COG, 0805	0 IC 52	50.62.6907	74FCT807		Share Clock-Driver
0 C 238	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 53	1.950.921.20			SW 605/615 GAL B (50.63.3002)
0 C 239	not used	100n		CER 50V, 10%, X7R, 0805	0 IC 54	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 C 241	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 55	50.62.0463	DS34C86		4*RS 422 Line Receiver
0 C 242	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 56	50.62.0464	DS34C87		4*RS 422 Line Driver
0 C 243	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 57	50.62.0464	DS34C87		4*RS 422 Line Driver
0 C 244	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 58	not used	HFBR5103		LWL Transceiver FDDI/MADI
0 C 245	59.68.0111	22u		EL 35V, 6.3*5.7	0 IC 61	not used	74FCT162245		16bit Bus-Driver, tri
0 C 246	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 62	not used	ADSP21062		32bit DSP
0 C 247	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 63	50.62.6745	74ABTE16245		16bit Bus-Driver
0 C 248	not used	68p		CER 50V, 5%, COG, 0603	0 IC 64	50.63.2001	7705B		Reset Generator
0 C 249	not used	68p		CER 50V, 5%, COG, 0603	0 IC 65	not used	EPF8820Q		EPLD 8000 QFP160
0 C 250	not used	68p		CER 50V, 5%, COG, 0603	0 IC 66	1.950.966.20			SW 621 LINK B (50.63.4298)
0 C 251	59.68.0085	10u		EL 16V, 4.0*5.7	0 IC 67	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 C 252	not used	10u		EL 16V, 4.0*5.7	0 IC 68	50.62.6974	74FCT162374		16bit Bus Latches
0 C 253	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 69	50.62.6745	74ABTE16245		16bit Bus-Driver
0 C 254	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 70	50.63.2001	7705B		Reset Generator
0 C 255	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 71	50.62.6905	49FCT805		Dual Clock-Driver
0 C 256	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 72	not used	HFBR5103		LWL Transceiver FDDI/MADI
0 C 257	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 73	50.62.6746	74ABTE16246		16bit Bus-Driver o.c.
0 C 258	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 74	50.62.6946	74FCT162245		16bit Bus-Driver, tri
0 D 1	not used	BAS85		200mA 30V Schottky SOD 80	0 IC 77	not used	74FCT162245		16bit Bus-Driver, tri
0 D 3	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 IC 78	50.63.2001	7705B		Reset Generator
0 D 4	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 IC 79	50.62.6974	74FCT162374		16bit Bus Latches
0 D 5	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 IC 80	50.62.6745	74ABTE16245		16bit Bus-Driver
0 D 6	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 IC 81	50.62.0915	CS8414		Digital Audio Receiver 96kHz
0 D 9	not used	BAS85		200mA 30V Schottky SOD 80	0 IC 82	50.62.6905	49FCT805		Dual Clock-Driver
0 D 11	not used	BAS85		200mA 30V Schottky SOD 80	0 IC 83	50.62.1004	74HC 04		Hex inverter
0 D 12	not used	BAS85		200mA 30V Schottky SOD 80	0 IC 84	50.63.1506	IDT7014		Dualport SRAM, 4K*9
0 D 13	not used	BAS85		200mA 30V Schottky SOD 80	0 IC 85	50.62.0462	MAX 225		5*RS 232 Driver/Receiver
0 D 14	not used	BAS85		200mA 30V Schottky SOD 80	0 IC 86	not used	AM7969		TAXI Chip Receiver
0 DL 1	50.04.2750	red		LED mit Halter	0 IC 88	50.63.1704	CYC027		Dualport RAM, 32K*16
0 DL 2	50.04.2751	grn		LED mit Halter	0 IC 89	50.63.1704	CYC027		Dualport RAM, 32K*16
0 DL 3	50.04.2811	10*grn		LED-Bargraph 10*green	0 IC 90	50.62.6905	49FCT805		Dual Clock-Driver
0 DL 4	50.04.2751	grn		LED mit Halter	0 IC 91	50.63.4207	EPF8820R		EPLD 8000 QFP208
0 DL 5	not used	grn		LED mit Halter	0 IC 92	not used	EPF81188		EPLD 12000 QFP208
0 DL 6	not used	grn		LED mit Halter	0 IC 93	50.63.4203	EPLD8282		EPLD 2500 PLCC84
0 DL 7	not used	grn		LED mit Halter	0 IC 94	not used	AM7969		TAXI Chip Receiver

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 IC 95	not used		AM7968	TAXI Chip Transmitter	0 Q 1	50.60.0001		BC847B	NPN 45V 100mA SOT 23
0 IC 96	50.62.0910		CS8402A	Dig audio interface transmitt	0 R 1	57.60.1105		1M	MF, 1%, 0204, E24
0 IC 98	50.63.1506		IDT7014	Dualport SRAM, 4K*9	0 R 2	57.60.1105		1M	MF, 1%, 0204, E24
0 IC 99	50.63.1506		IDT7014	Dualport SRAM, 4K*9	0 R 3	57.69.1097		10k	CF 5% 0603
0 J 1	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 4	57.60.1102		1k0	MF, 1%, 0204, E24
0 J 2	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 5	57.60.1102		1k0	MF, 1%, 0204, E24
0 J 3	54.11.2009 1 pce	96p		EU-R 3*32p	0 R 6	57.60.1331		330R	MF, 1%, 0204, E24
0 J 4	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 7	57.69.1097		10k	CF 5% 0603
0 J 5	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 8	57.60.1152		1k5	MF, 1%, 0204, E24
0 J 6	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 9	57.69.1097		10k	CF 5% 0603
0 J 7	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 10	57.69.1097		10k	CF 5% 0603
0 J 8	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 11	57.69.1097		10k	CF 5% 0603
0 J 9	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 12	57.60.1331		330R	MF, 1%, 0204, E24
0 J 10	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 13	57.69.1097		10k	CF 5% 0603
0 J 11	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 14	57.69.1097		10k	CF 5% 0603
0 J 12	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 15	57.60.1331		330R	MF, 1%, 0204, E24
0 J 13	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 16	57.60.1331		330R	MF, 1%, 0204, E24
0 J 14	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 17	57.60.1331		330R	MF, 1%, 0204, E24
0 J 15	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 18	57.60.1331		330R	MF, 1%, 0204, E24
0 J 16	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 19	57.60.1331		330R	MF, 1%, 0204, E24
0 J 17	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 20	57.60.1331		330R	MF, 1%, 0204, E24
0 J 18	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 21	not used		330R	MF, 1%, 0204, E24
0 J 19	not used 1 pce	2*3p		Pin 0.63*0.63, RM2.54	0 R 22	57.60.1331		330R	MF, 1%, 0204, E24
0 J 20	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 23	57.60.1331		330R	MF, 1%, 0204, E24
0 J 21	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 24	57.60.1331		330R	MF, 1%, 0204, E24
0 J 22	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 25	57.60.1331		330R	MF, 1%, 0204, E24
0 J 23	54.11.2009 1 pce	96p		EU-R 3*32p	0 R 26	57.69.1097		10k	CF 5% 0603
0 J 24	54.13.0071 1 pce	9p		D-Sub, PCB, Winkel	0 R 27	57.69.1097		10k	CF 5% 0603
0 J 25	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 28	57.60.1331		330R	MF, 1%, 0204, E24
0 J 26	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 29	57.60.1102		1k0	MF, 1%, 0204, E24
0 J 30	54.01.0021 6 pcs		Jumper	0.63*0.63mm, Au	0 R 30	57.69.1097		10k	CF 5% 0603
0 JP 2	54.01.0020 2 pcs	1p		Pin, 1reihiq, gerade	0 R 31	57.60.1101		100R	MF, 1%, 0204, E24
0 JP 3	not used 1 pce	2*3p		Pin 0.63*0.63, RM2.54	0 R 32	57.60.1331		330R	MF, 1%, 0204, E24
0 JP 4	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 33	57.60.1330		33R	MF, 1%, 0204, E24
0 JP 5	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 34	57.60.1331		330R	MF, 1%, 0204, E24
0 JP 6	not used 2 pcs	1p		Pin, 1reihiq, gerade	0 R 35	not used		82R	MF, 1%, 0204, E24
0 JP 7	54.01.0020 2 pcs	1p		Pin, 1reihiq, gerade	0 R 36	not used		130R	MF, 1%, 0204, E24
0 JP 8	not used 2 pcs	1p		Pin, 1reihiq, gerade	0 R 37	not used		82R	MF, 1%, 0204, E24
0 JP 9	54.01.0020 2 pcs	1p		Pin, 1reihiq, gerade	0 R 38	not used		130R	MF, 1%, 0204, E24
0 JP 10	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54	0 R 41	57.69.1097		10k	CF 5% 0603
0 JP 11	not used 3 pcs	1p		Pin, 1reihiq, gerade	0 R 42	57.60.1331		330R	MF, 1%, 0204, E24
0 JP 12	not used 3 pcs	1p		Pin, 1reihiq, gerade	0 R 43	57.60.1331		330R	MF, 1%, 0204, E24
0 JP 13	not used 3 pcs	1p		Pin, 1reihiq, gerade	0 R 44	57.60.1109		1R	MF, 1%, 0204, E24
0 JP 24	54.01.0020 3 pce	1p		Pin, 1reihiq, gerade	0 R 45	57.69.1097		10k	CF 5% 0603
0 JP 26	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 46	57.69.1073		1k0	CF 5% 0603
0 JP 36	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54	0 R 47	57.60.1109		1R	MF, 1%, 0204, E24
0 JP 37	not used 1 pce	1p		Pin, 1reihiq, gerade	0 R 48	57.60.1109		1R	MF, 1%, 0204, E24
0 L 1	62.02.3109		1uH	20%, radial RM 5	0 R 49	57.60.1102		1k0	MF, 1%, 0204, E24
0 L 2	62.02.3109		1uH	20%, radial RM 5	0 R 50	57.60.1102		1k0	MF, 1%, 0204, E24
0 L 3	not used		1uH	20%, radial RM 5	0 R 51	57.60.1181		180R	MF, 1%, 0204, E24
0 L 4	not used		1uH	20%, radial RM 5	0 R 52	57.60.1680		68R	MF, 1%, 0204, E24
0 L 5	not used		1uH	20%, radial RM 5	0 R 53	57.60.1181		180R	MF, 1%, 0204, E24
0 L 6	not used		1uH	20%, radial RM 5	0 R 54	57.60.1680		68R	MF, 1%, 0204, E24
0 L 7	not used		1uH	20%, radial RM 5	0 R 55	57.69.1097		10k	CF 5% 0603
0 L 8	not used		1uH	20%, radial RM 5	0 R 56	57.69.1097		10k	CF 5% 0603
0 L 9	62.02.3109		1uH	20%, radial RM 5	0 R 57	57.60.1820		82R	MF, 1%, 0204, E24
0 L 10	62.03.0010		48uH	2A Toroid Chocke	0 R 58	57.60.1131		130R	MF, 1%, 0204, E24
0 L 11	not used		48uH	2A Toroid Chocke	0 R 59	57.60.1820		82R	MF, 1%, 0204, E24
0 MP 1	1.950.615.13 1 pce			MADIMEMNET PCB	0 R 60	57.60.1131		130R	MF, 1%, 0204, E24
0 MP 2	1.950.620.04 1 pce			TYPENMSCHILD	0 R 61	57.69.1073		1k0	CF 5% 0603
0 MP 3	43.01.0108 1 pce		Label	ESE-WARNschild	0 R 62	57.69.1073		1k0	CF 5% 0603
0 MP 4	1.101.001.20 1 pce		Label	TEXT-ETIK. 5*20 HARDWARE -20	0 R 63	57.69.1097		10k	CF 5% 0603
0 MP 5	21.01.0282 2 pcs		M2.5*12	Z - Schraube Zn gb chr	0 R 64	57.69.1097		10k	CF 5% 0603
0 MP 6	24.16.1025 2 pcs		2.7/5.0	Rippenscheibe	0 R 65	57.69.1097		10k	CF 5% 0603
0 MP 7	22.01.8025 2 pcs		M2.5	6kt-Mutter 0.8d St gb	0 R 66	57.69.1097		10k	CF 5% 0603
0 MP 8	1.950.615.03 1 pce			VERBINDUNGSKABEL	0 R 67	57.60.1109		1R	MF, 1%, 0204, E24
0 MP 9	55.12.1122 1 pce			Seitenwand	0 R 68	57.69.1073		1k0	CF 5% 0603
0 MP 10	1.950.620.01 1 pce			FRONTPLATTE MEMNET	0 R 69	57.60.1102		1k0	MF, 1%, 0204, E24
0 MP 11	1.940.600.05 2 pcs			GRIFFEINLAGE 4TE	0 R 70	57.60.1102		1k0	MF, 1%, 0204, E24
0 MP 12	49.02.0524 2 pcs		M2.5*12	Schraube spezial	0 R 71	57.69.1097		10k	CF 5% 0603
0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)	0 R 72	57.60.1102		1k0	MF, 1%, 0204, E24
0 MP 14	29.99.0134 2 pcs		1.8*5	L�tspirale Cu Sn	0 R 73	57.69.1097		10k	CF 5% 0603
0 MP 15	not used 2 pcs		M2.5*7	Senk-Schr. KS, Senkripp	0 R 74	not used		10k	CF 5% 0603
0 MP 16	49.02.0514 1 pce		4TE	Frontplatten-Griffsatz	0 R 75	57.69.1097		10k	CF 5% 0603
0 MP 17	1.950.615.02 1 pce			BATTERIEHALTER	0 R 76	57.69.1097		10k	CF 5% 0603
0 MP 18	89.01.2203 1 pce		3.6V	Lithium-Batterie, 750mAh	0 R 77	57.69.1097		10k	CF 5% 0603
0 MP 19	26.99.0119 2 pcs			ROHRNIETE D 2.5*0.15* 9	0 R 78	57.69.1097		10k	CF 5% 0603
0 MP 20	54.13.0081 2 pcs		4.85mm	Bolzen UNC 4-40	0 R 79	57.69.1097		10k	CF 5% 0603
0 MP 21	24.16.2030 2 pcs		3.2/6.0	F�cherscheibe Form A	0 R 80	57.69.1097		10k	CF 5% 0603
0 MP 22	89.01.1499 1 pce			QUARZ - ISOLIERPLATTE	0 R 83	57.69.1097		10k	CF 5% 0603
0 MP 23	35.03.0109 2 pcs		2.5*92	Kabelbinder	0 R 84	57.69.1097		10k	CF 5% 0603
0 MP 24	1.950.620.10			BAUGRUPPENSCHILD 10X80	0 R 85	57.69.1097		10k	CF 5% 0603
0 P 9	54.01.0020 10 pce		1p	Pin, 1reihiq, gerade	0 R 86	57.69.1097		10k	CF 5% 0603
0 P 11	not used 10 pcs		1p	Pin, 1reihiq, gerade	0 R 87	57.69.1097		10k	CF 5% 0603
0 P 12	not used 10 pcs		1p	Pin, 1reihiq, gerade	0 R 88	57.69.1097		10k	CF 5% 0603
0 P 13	not used 10 pcs		1p	Pin, 1reihiq, gerade	0 R 89	57.69.1097		10k	CF 5% 0603
0 P 14	54.01.0020 14 pcs		1p	Pin, 1reihiq, gerade	0 R 90	57.69.1097		10k	CF 5% 0603

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Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 91	57.69.1097	10k		CF 5% 0603	0	R 181	57.60.1220	22R		MF, 1%, 0204, E24
0	R 94	not used	27R		MF, 1%, 0204, E24	0	R 182	57.60.1270	27R		MF, 1%, 0204, E24
0	R 95	57.60.1270	27R		MF, 1%, 0204, E24	0	R 183	57.60.1220	22R		MF, 1%, 0204, E24
0	R 96	57.60.1270	27R		MF, 1%, 0204, E24	0	R 184	57.60.1181	180R		MF, 1%, 0204, E24
0	R 97	57.60.1820	82R		MF, 1%, 0204, E24	0	R 185	57.60.1100	10R		MF, 1%, 0204, E24
0	R 98	57.60.1131	130R		MF, 1%, 0204, E24	0	R 186	57.69.1097	10k		CF 5% 0603
0	R 99	57.69.1097	10k		CF 5% 0603	0	R 187	57.60.1331	330R		MF, 1%, 0204, E24
0	R 100	57.69.1097	10k		CF 5% 0603	0	R 190	57.60.1103	10k		MF, 1%, 0204, E24
0	R 101	57.69.1097	10k		CF 5% 0603	0	R 195	not used	10k		CF 5% 0603
0	R 102	not used	82R		MF, 1%, 0204, E24	0	R 196	not used	10k		CF 5% 0603
0	R 103	not used	130R		MF, 1%, 0204, E24	0	R 197	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 104	57.60.1109	1R		MF, 1%, 0204, E24	0	R 198	57.60.1100	10R		MF, 1%, 0204, E24
0	R 105	not used	1R		MF, 1%, 0204, E24	0	R 199	57.69.1097	10k		CF 5% 0603
0	R 106	57.60.1109	1R		MF, 1%, 0204, E24	0	R 200	57.69.1097	10k		CF 5% 0603
0	R 107	57.69.1097	10k		CF 5% 0603	0	R 201	57.60.1270	27R		MF, 1%, 0204, E24
0	R 108	57.69.1097	10k		CF 5% 0603	0	R 202	57.60.1270	27R		MF, 1%, 0204, E24
0	R 109	57.60.1680	68R		MF, 1%, 0204, E24	0	R 203	57.60.1270	27R		MF, 1%, 0204, E24
0	R 110	57.60.1181	180R		MF, 1%, 0204, E24	0	R 204	57.60.1270	27R		MF, 1%, 0204, E24
0	R 111	57.69.1097	10k		CF 5% 0603	0	R 205	57.60.1270	27R		MF, 1%, 0204, E24
0	R 112	57.69.1097	10k		CF 5% 0603	0	R 206	57.69.1097	10k		CF 5% 0603
0	R 113	57.69.1097	10k		CF 5% 0603	0	R 207	57.69.1097	10k		CF 5% 0603
0	R 114	57.69.1097	10k		CF 5% 0603	0	R 208	57.69.1097	10k		CF 5% 0603
0	R 115	57.60.1102	1k0		MF, 1%, 0204, E24	0	R 209	57.60.1331	330R		MF, 1%, 0204, E24
0	R 116	not used	82R		MF, 1%, 0204, E24	0	R 210	57.69.1097	10k		CF 5% 0603
0	R 117	not used	130R		MF, 1%, 0204, E24	0	R 211	57.69.1097	10k		CF 5% 0603
0	R 118	57.60.1102	1k0		MF, 1%, 0204, E24	0	R 212	57.69.1097	10k		CF 5% 0603
0	R 119	57.60.1102	1k0		MF, 1%, 0204, E24	0	R 213	57.69.1097	10k		CF 5% 0603
0	R 120	57.60.1109	1R		MF, 1%, 0204, E24	0	R 214	57.69.1097	10k		CF 5% 0603
0	R 121	not used	1R		MF, 1%, 0204, E24	0	R 215	not used	10k		CF 5% 0603
0	R 122	57.60.1109	1R		MF, 1%, 0204, E24	0	R 216	not used	10k		CF 5% 0603
0	R 123	57.60.1270	27R		MF, 1%, 0204, E24	0	R 217	57.69.1097	10k		CF 5% 0603
0	R 124	57.69.1097	10k		CF 5% 0603	0	R 218	57.60.1100	10R		MF, 1%, 0204, E24
0	R 125	57.69.1097	10k		CF 5% 0603	0	R 219	57.60.1471	470R		MF, 1%, 0204, E24
0	R 126	57.60.1109	1R		MF, 1%, 0204, E24	0	R 220	57.60.1270	27R		MF, 1%, 0204, E24
0	R 127	57.60.1109	1R		MF, 1%, 0204, E24	0	R 221	57.60.1270	27R		MF, 1%, 0204, E24
0	R 128	57.60.1109	1R		MF, 1%, 0204, E24	0	R 222	57.60.1270	27R		MF, 1%, 0204, E24
0	R 129	57.69.1097	10k		CF 5% 0603	0	R 223	57.60.1104	100k		MF, 1%, 0204, E24
0	R 130	57.69.1097	10k		CF 5% 0603	0	R 224	57.60.1104	100k		MF, 1%, 0204, E24
0	R 131	57.60.1270	27R		MF, 1%, 0204, E24	0	R 225	57.69.1097	10k		CF 5% 0603
0	R 132	57.60.1270	27R		MF, 1%, 0204, E24	0	R 226	57.69.1097	10k		CF 5% 0603
0	R 133	57.60.1270	27R		MF, 1%, 0204, E24	0	R 227	57.69.1097	10k		CF 5% 0603
0	R 134	57.60.1270	27R		MF, 1%, 0204, E24	0	R 228	57.69.1097	10k		CF 5% 0603
0	R 135	57.60.1270	27R		MF, 1%, 0204, E24	0	R 229	not used	1R		MF, 1%, 0204, E24
0	R 136	57.60.1270	27R		MF, 1%, 0204, E24	0	R 230	57.69.1097	10k		CF 5% 0603
0	R 137	57.69.1097	10k		CF 5% 0603	0	R 231	57.69.1097	10k		CF 5% 0603
0	R 138	57.69.1097	10k		CF 5% 0603	0	R 232	not used	82R		MF, 1%, 0204, E24
0	R 139	57.69.1097	10k		CF 5% 0603	0	R 233	not used	130R		MF, 1%, 0204, E24
0	R 140	57.60.1270	27R		MF, 1%, 0204, E24	0	R 234	not used	82R		MF, 1%, 0204, E24
0	R 141	57.69.1097	10k		CF 5% 0603	0	R 235	not used	130R		MF, 1%, 0204, E24
0	R 142	57.69.1097	10k		CF 5% 0603	0	R 236	57.69.1097	10k		CF 5% 0603
0	R 143	57.69.1097	10k		CF 5% 0603	0	R 239	57.69.1097	10k		CF 5% 0603
0	R 144	57.69.1097	10k		CF 5% 0603	0	R 240	57.60.1109	1R		MF, 1%, 0204, E24
0	R 145	57.60.1820	82R		MF, 1%, 0204, E24	0	R 241	57.60.1270	27R		MF, 1%, 0204, E24
0	R 146	57.60.1131	130R		MF, 1%, 0204, E24	0	R 242	57.60.1270	27R		MF, 1%, 0204, E24
0	R 147	57.69.1097	10k		CF 5% 0603	0	R 243	57.60.1270	27R		MF, 1%, 0204, E24
0	R 148	57.69.1097	10k		CF 5% 0603	0	R 244	57.69.1097	10k		CF 5% 0603
0	R 149	57.69.1097	10k		CF 5% 0603	0	R 245	57.69.1097	10k		CF 5% 0603
0	R 150	57.69.1097	10k		CF 5% 0603	0	R 246	57.69.1097	10k		CF 5% 0603
0	R 151	57.69.1097	10k		CF 5% 0603	0	R 247	57.69.1097	10k		CF 5% 0603
0	R 153	57.69.1097	10k		CF 5% 0603	0	R 248	57.69.1097	10k		CF 5% 0603
0	R 154	57.69.1097	10k		CF 5% 0603	0	R 249	not used	1k0		CF 5% 0603
0	R 155	57.60.1102	1k0		MF, 1%, 0204, E24	0	R 250	57.69.1097	10k		CF 5% 0603
0	R 156	57.69.1097	10k		CF 5% 0603	0	R 251	57.69.1097	10k		CF 5% 0603
0	R 157	57.60.1270	27R		MF, 1%, 0204, E24	0	R 252	not used	1k0		MF, 1%, 0204, E24
0	R 158	57.60.1220	22R		MF, 1%, 0204, E24	0	R 253	not used	82R		MF, 1%, 0204, E24
0	R 159	57.60.1270	27R		MF, 1%, 0204, E24	0	R 254	not used	130R		MF, 1%, 0204, E24
0	R 160	57.60.1220	22R		MF, 1%, 0204, E24	0	R 255	not used	82R		MF, 1%, 0204, E24
0	R 161	57.60.1820	82R		MF, 1%, 0204, E24	0	R 256	not used	130R		MF, 1%, 0204, E24
0	R 162	57.60.1131	130R		MF, 1%, 0204, E24	0	R 257	not used	1k0		CF 5% 0603
0	R 163	57.69.1097	10k		CF 5% 0603	0	R 258	not used	1k0		CF 5% 0603
0	R 164	57.69.1097	10k		CF 5% 0603	0	R 259	57.69.1097	10k		CF 5% 0603
0	R 165	57.69.1097	10k		CF 5% 0603	0	R 260	57.69.1097	10k		CF 5% 0603
0	R 166	57.60.1222	2k2		MF, 1%, 0204, E24	0	R 261	57.69.1097	10k		CF 5% 0603
0	R 167	57.60.1222	2k2		MF, 1%, 0204, E24	0	R 262	not used	1k0		CF 5% 0603
0	R 168	57.60.1222	2k2		MF, 1%, 0204, E24	0	R 263	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 169	57.60.1222	2k2		MF, 1%, 0204, E24	0	R 264	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 170	57.60.1680	68R		MF, 1%, 0204, E24	0	R 265	not used	1k0		MF, 1%, 0204, E24
0	R 171	57.60.1270	27R		MF, 1%, 0204, E24	0	R 266	not used	1k0		MF, 1%, 0204, E24
0	R 172	57.60.1100	10R		MF, 1%, 0204, E24	0	R 267	57.69.1097	10k		CF 5% 0603
0	R 173	57.69.1097	10k		CF 5% 0603	0	R 268	57.69.1097	10k		CF 5% 0603
0	R 174	57.60.1109	1R		MF, 1%, 0204, E24	0	R 269	57.69.1097	10k		CF 5% 0603
0	R 175	not used	130R		MF, 1%, 0204, E24	0	R 270	57.69.1097	10k		CF 5% 0603
0	R 176	57.60.1820	82R		MF, 1%, 0204, E24	0	R 271	not used	1R		MF, 1%, 0204, E24
0	R 177	57.69.1097	10k		CF 5% 0603	0	R 272	57.69.1097	10k		CF 5% 0603
0	R 178	not used	10k		CF 5% 0603	0	R 273	57.60.1105	1M		MF, 1%, 0204, E24
0	R 179	not used	10k		CF 5% 0603	0	R 274	not used	1k0		MF, 1%, 0204, E24
0	R 180	57.60.1270	27R		MF, 1%, 0204, E24	0	R 275	57.69.1097	10k		CF 5% 0603

MEMNET Board 96k 1.950.621.20 (0)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 276	not used		56R	MF, 1%, 0204, E24					
0 R 277	not used		56R	MF, 1%, 0204, E24					
0 R 278	not used		56R	MF, 1%, 0204, E24					
0 R 279	57.69.1097		10k	CF 5% 0603					
0 R 280	57.69.1097		10k	CF 5% 0603					
0 R 281	57.69.1097		10k	CF 5% 0603					
0 R 282	57.69.1097		10k	CF 5% 0603					
0 R 283	57.69.1097		10k	CF 5% 0603					
0 R 284	57.69.1097		10k	CF 5% 0603					
0 R 285	57.69.1097		10k	CF 5% 0603					
0 R 286	57.69.1097		10k	CF 5% 0603					
0 R 287	57.60.1109		1R	MF, 1%, 0204, E24					
0 R 288	57.60.1109		1R	MF, 1%, 0204, E24					
0 R 289	not used		1R	MF, 1%, 0204, E24					
0 R 290	57.69.1097		10k	CF 5% 0603					
0 R 291	57.60.1109		1R	MF, 1%, 0204, E24					
0 R 292	57.60.1109		1R	MF, 1%, 0204, E24					
0 R 293	57.60.1109		1R	MF, 1%, 0204, E24					
0 R 294	57.69.1097		10k	CF 5% 0603					
0 S 1	55.12.1121			Code-Switch					
0 S 2	55.12.1121			Code-Switch					
0 S 3	55.15.0138		1*A	S 1 TASTE, 1*A,IMPULS,1.0 N					
0 T 2	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU					
0 T 3	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU					
0 T 4	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU					
0 T 5	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU					
0 T 7	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU					
0 X 1	89.60.2001		12.5MHz	XTAL Oscillator					
0 X 2	89.01.1601		12.288MHz	TCXO Xtal-Oscillator temp comp					
0 XDL 3	53.03.0165		20p	DIL 0.3", lot, gerade					
0 XIC 1	1.950.930.25			SW605/10/16/21 RTOSBOOT(.1301)					
0 XIC 7	53.03.0166		8p	DIL 0.3", lot, gerade					
0 XIC 44	53.03.0166		8p	DIL 0.3", lot, gerade					
0 XIC 66	53.03.0166		8p	DIL 0.3", lot, gerade					
0 XR 1	57.60.1109		1R	MF, 1%, 0204, E24					
0 XR 2	not used		1R	MF, 1%, 0204, E24					
0 XR 16	57.60.1102		1k0	MF, 1%, 0204, E24					
0 XR 19	57.60.1102		1k0	MF, 1%, 0204, E24					
0 XR 21	not used		1k0	MF, 1%, 0204, E24					
0 XXIC 1	53.03.2232		32p	PLCC-Socket					
0 Y 1	89.01.1017		1.8432MHz	XTAL HC49U					
0 Y 2	89.60.2004		40.0MHz	XTAL Oscillator					

End of List

CIRCUIT DIAGRAMS: D19m FRAMES

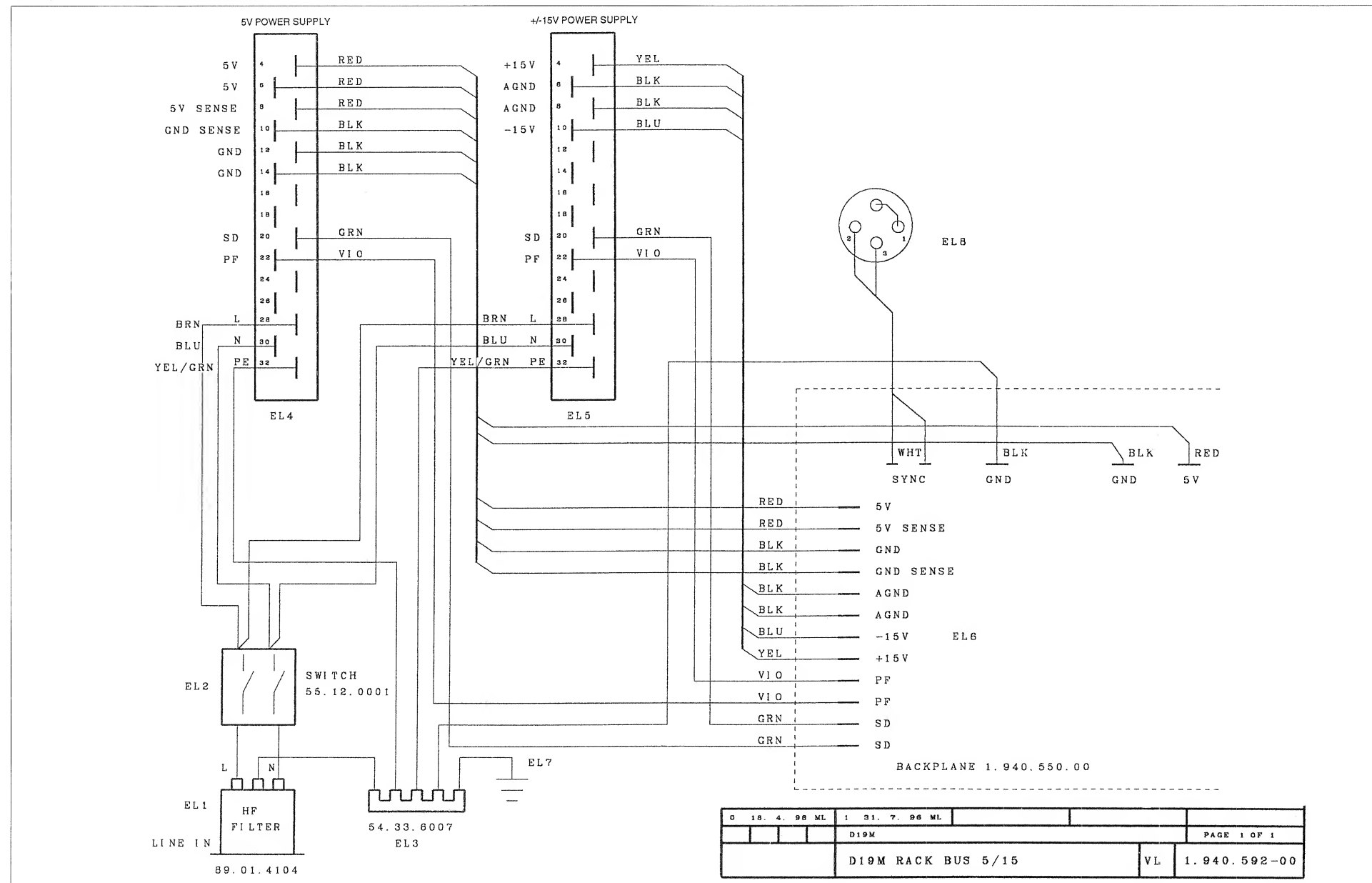
3U Frames

D19m Rack Bus 5/15	1.940.592
Back Plane (<i>cannot be used with RCC and MP4RC cards</i>).	1.940.550
Back Plane	1.940.551
Power Supply 5 V/16 A.....	1.940.606
Power Supply ± 15 V/3.5 A.....	1.940.607
Supply Status Board.....	1.940.589
Supply Status Board.....	1.940.593
Power Distributor ± 15 V + Diode	1.940.623
Power Distributor 5/24 V + Diode	1.940.624
Supply Board	1.940.410
Supply Board, Redundant Output.....	1.940.411
Supply Board, Redundant Input	1.940.412
Control Connection.....	1.940.630
D19m Sync Receiver	1.940.557
Optical/Coax Interface.....	1.940.558
RS422-to-Optical Converter	1.940.577
RS422-to-Optical Converter	1.940.579
Fan Regulation	1.940.596

1U Frame

Back Plane	1.940.553
Supply Board	1.940.578

D19M Rack Bus 5/15 1.940.592.00



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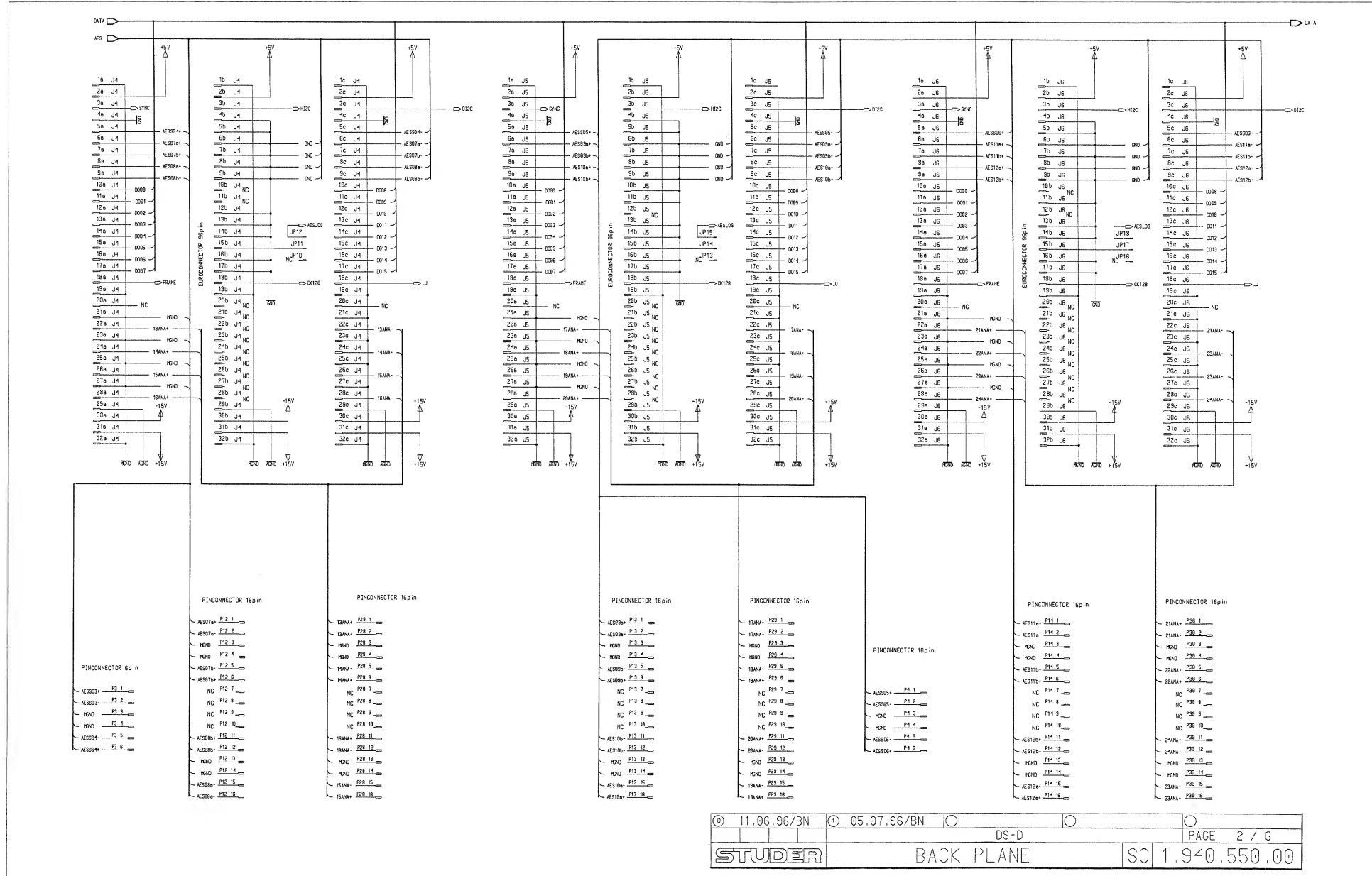
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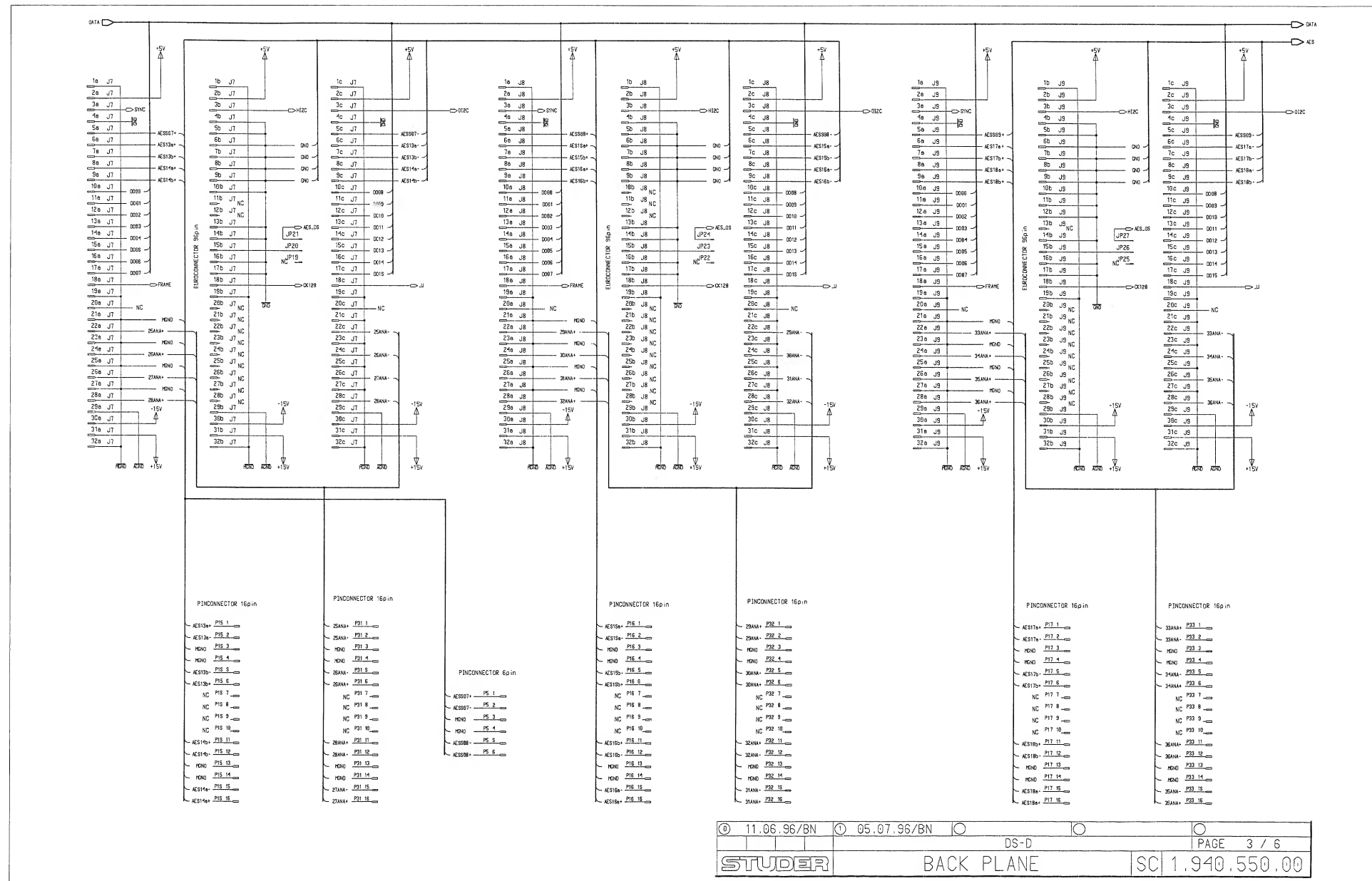
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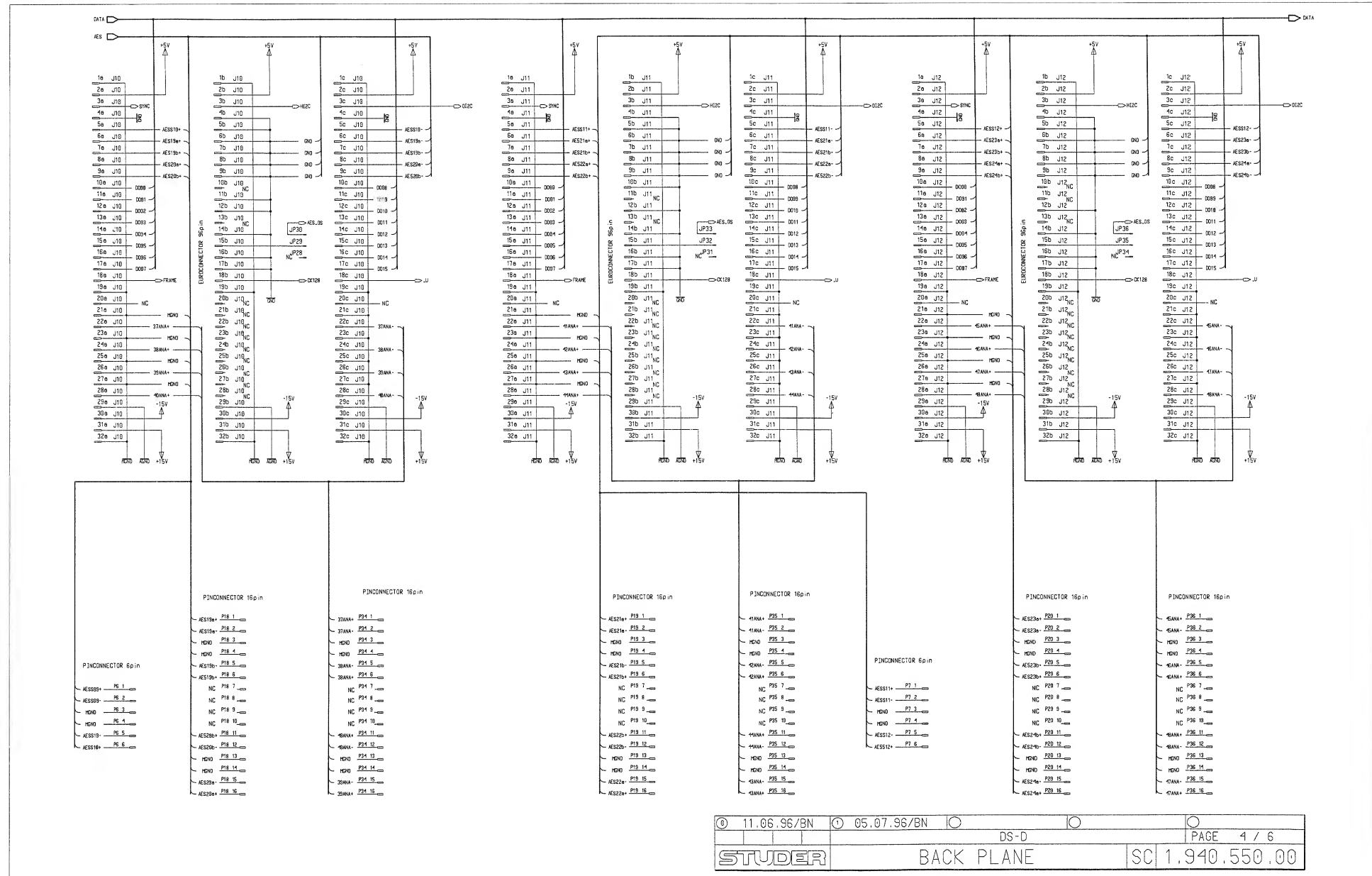
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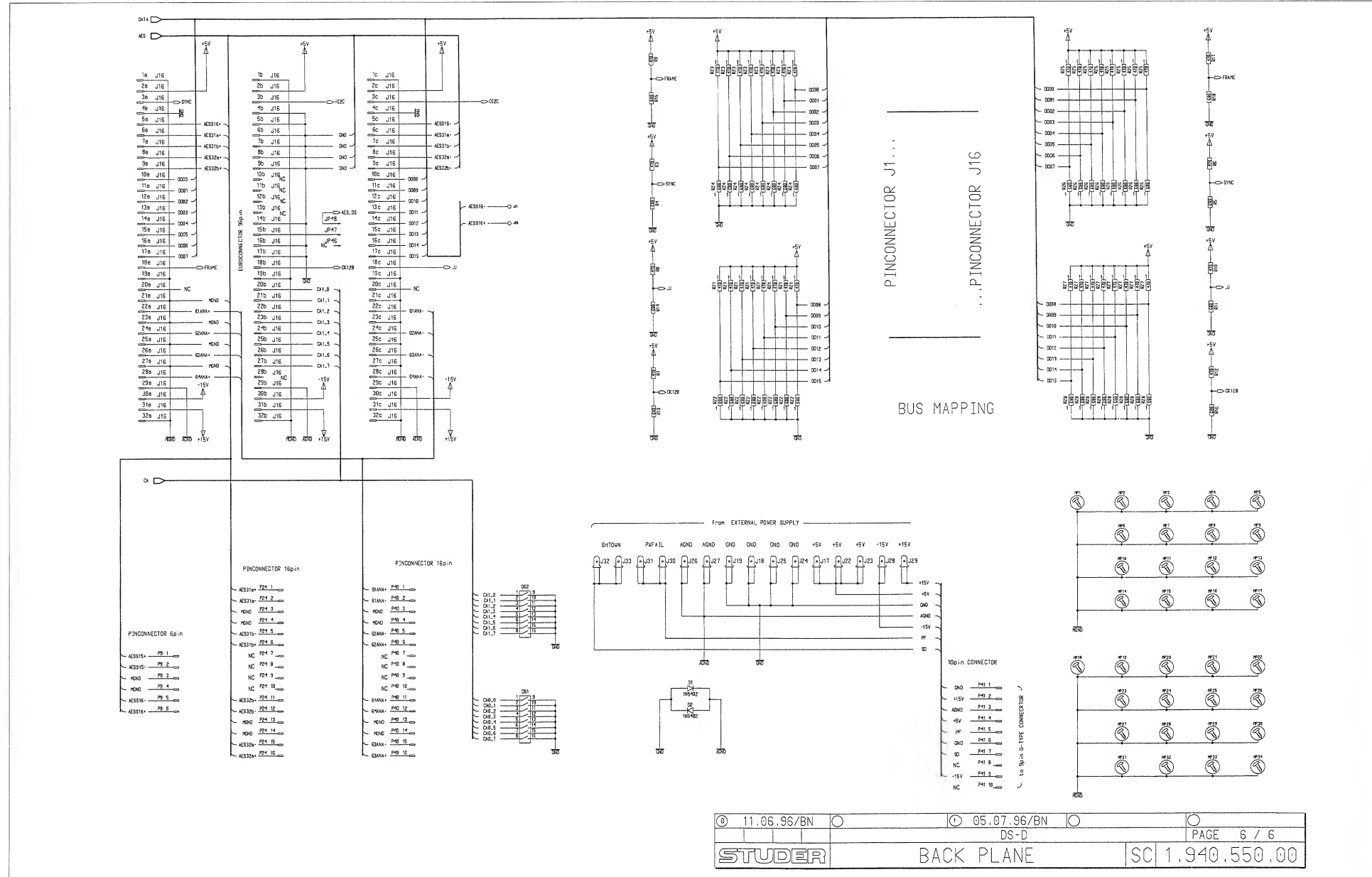
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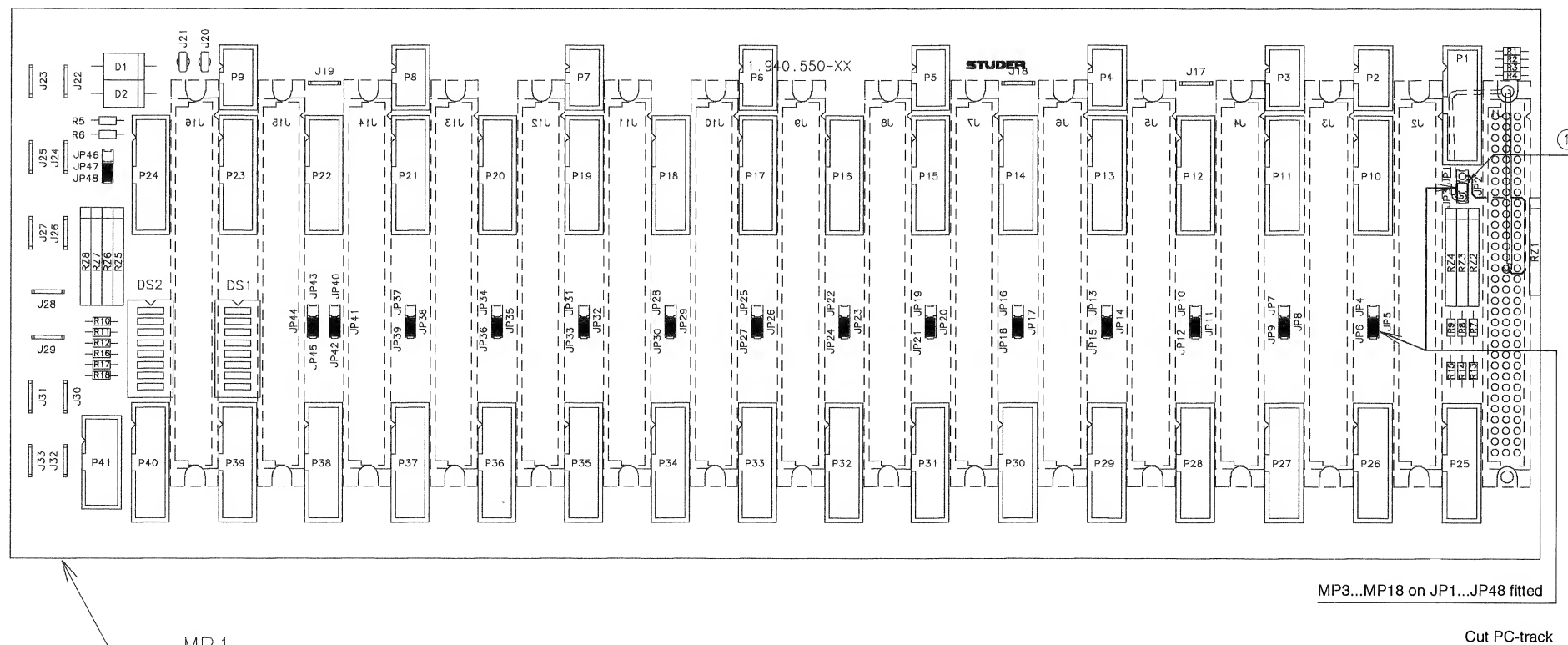
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Back Plane 1.940.550.00



Back Plane 1.940.550.00



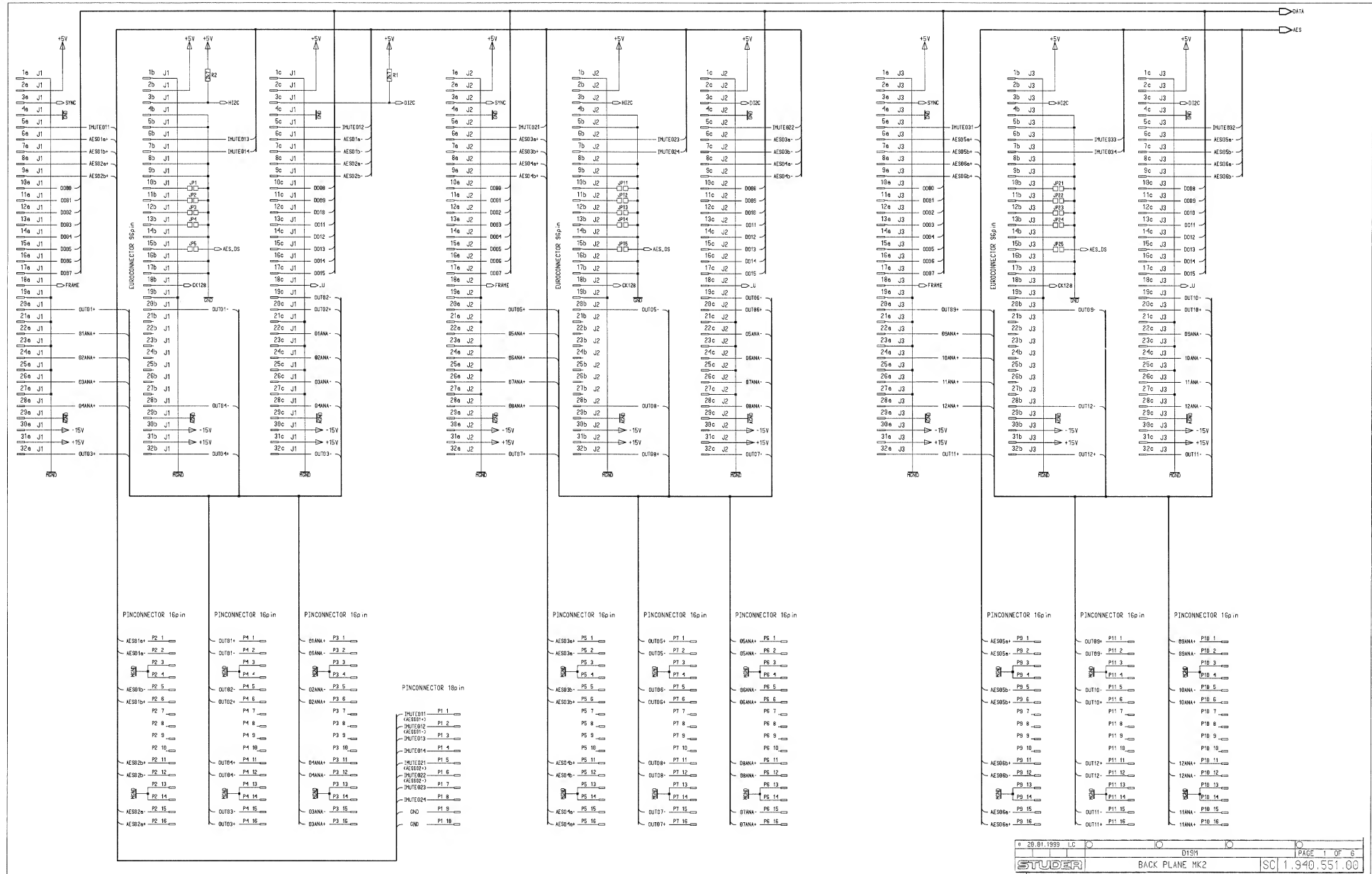
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STUDER
REGENSDORF

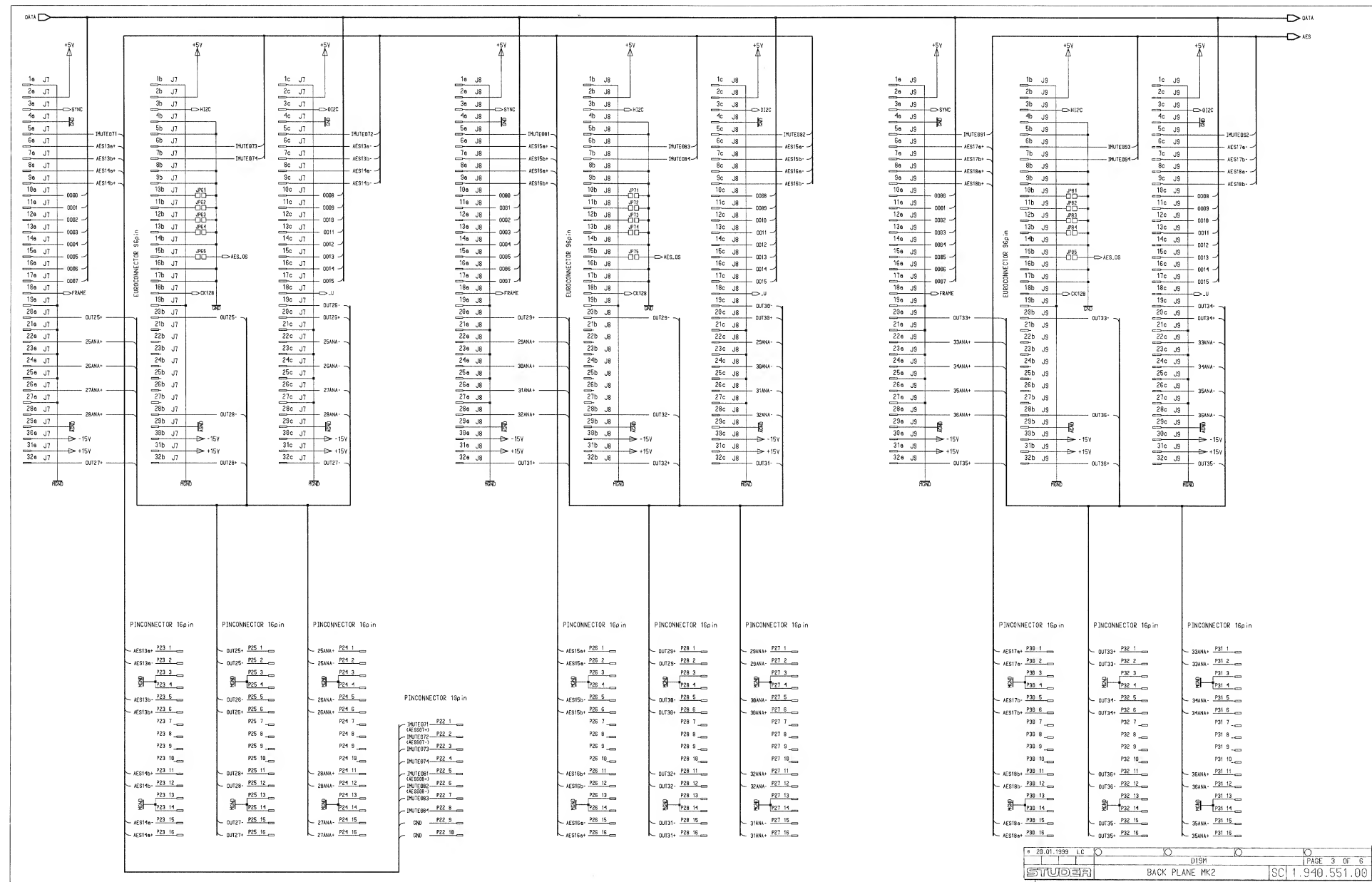
BACK PLANE

Number: 1.940.550-00

Back Plane MK2 1.940.551.00

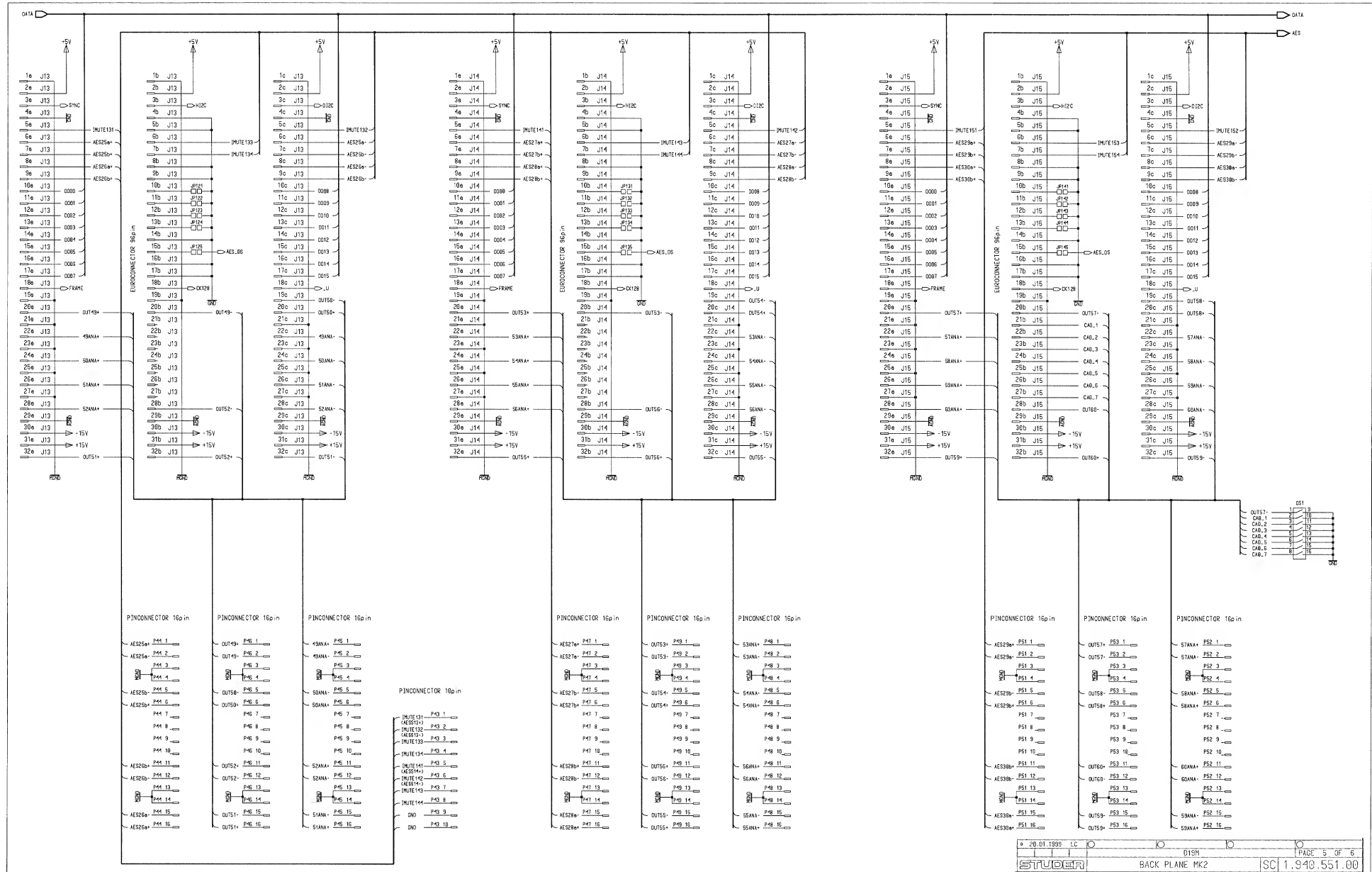


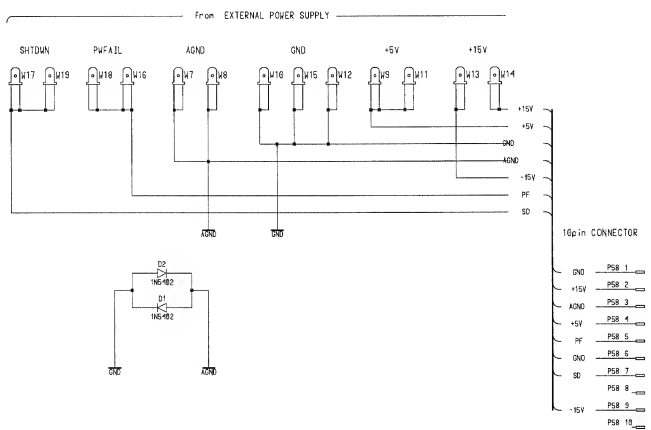
Back Plane MK2 1.940.551.00



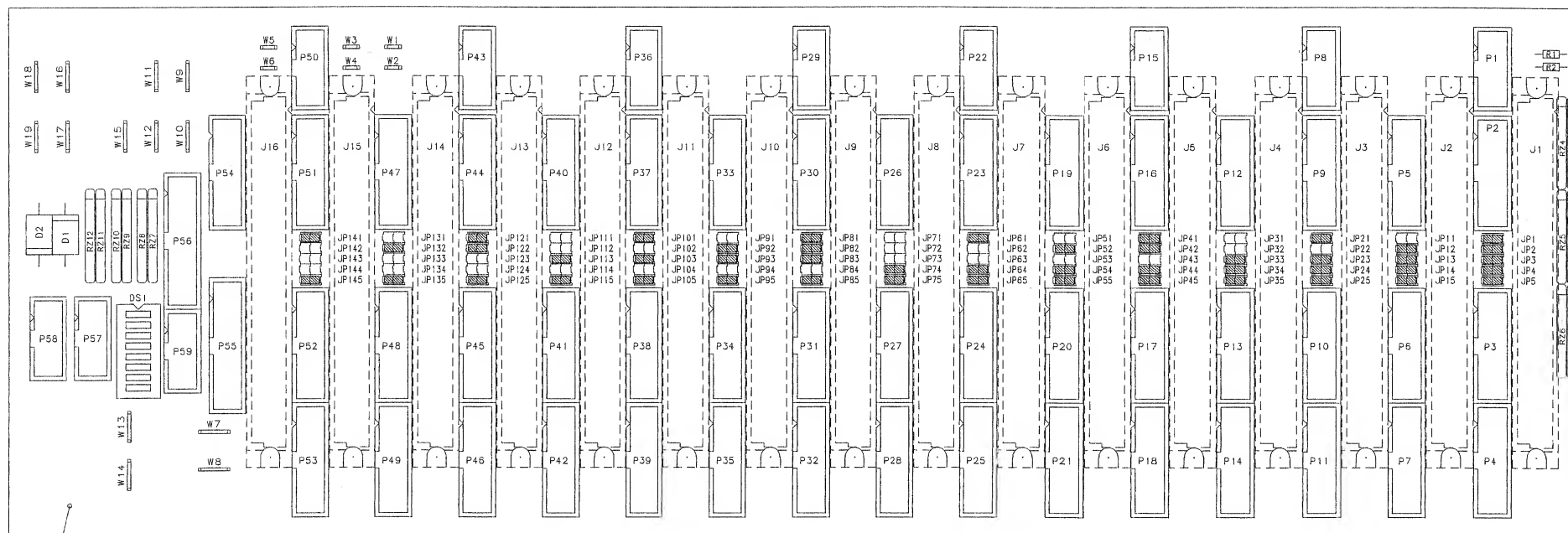
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Back Plane MK2 1.940.551.00



[illegible]

Back Plane MK2 1.940.551.00



MP1

Edition	03.02.1999	LC	✓	✓	✓	✓	✓	✓
Revised								
Drawn								
Checked								
Index								

STUDER
REGENSDORF

BACK PLANE MK2

Z 1.940.551.00

Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	D 1	50.04.0507	1N5402	D	1 N 5402,	0	JP 124	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	D 2	50.04.0507	1N5402	D	1 N 5402,	0	JP 125	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	DS 1	55.01.0168	8'a	SZ	8'a, DIL	0	JP 131	54.01.0020	2 pcs	1p	Pin 0.63*0.63
						0	JP 132	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	J 1	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	JP 133	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	J 2	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	JP 134	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	J 3	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	JP 135	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	J 4	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	JP 141	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	J 6	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	JP 142	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	J 8	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	JP 143	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	J 7	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	JP 144	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	J 8	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	JP 145	54.01.0020	2 pcs	1p	Pin 0.63*0.63
0	J 9	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	MP 1	1.940.551.11			BACK PLANE PCB
0	J 10	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	MP 2	1.940.551.04			NR ETIKETTE 5 * 20
0	J 11	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	MP 3	54.01.0021	47 pcs	Jumper	0.83 * 0.63mm
0	J 12	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	P 1	54.14.2141	10p	120° Au, gerade, o Verr, 4mm	
0	J 13	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	P 2	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	J 14	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	P 3	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	J 15	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	P 4	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	J 16	1.940.550.01			MESSERLEISTE 96 pol DIN 41612	0	P 5	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP 1	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 6	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP 2	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 7	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP 3	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 8	54.14.2141	10p	120° Au, gerade, o Verr, 4mm	
0	JP 4	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 9	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP 5	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 10	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP 11	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 11	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP 12	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 12	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP 13	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 13	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP 14	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 14	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP 15	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 15	54.14.2141	10p	120° Au, gerade, o Verr, 4mm	
0	JP 21	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 16	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP 22	54.01.0020	2 pcs	1p	Pin 0.63*0.63	0	P 17	54.14.2142	16p	120° Au, gerade, o Verr, 4mm	
0	JP										

POWER SUPPLY UNITS

General For the power supply of the D19m frames, standard 19" units with power factor correction are used, equipped with a Studer front panel (earlier version: see next page).

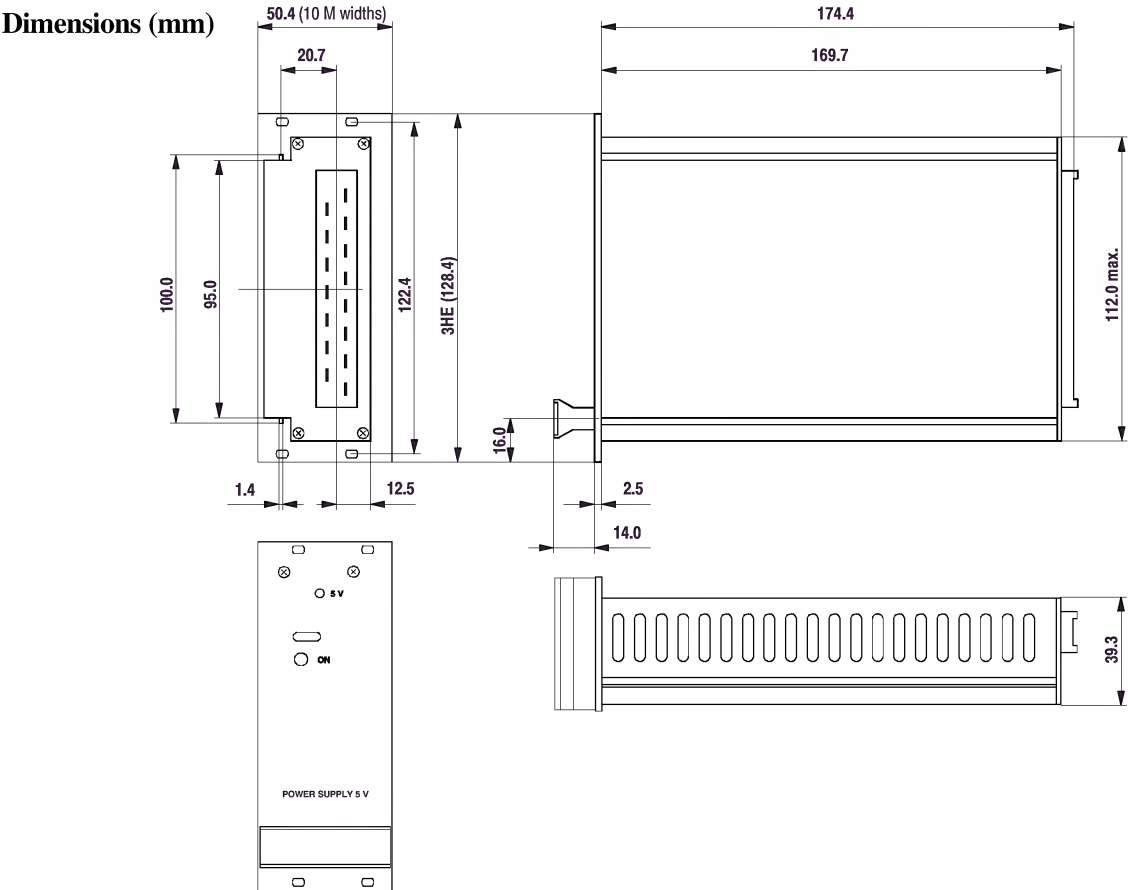
Studer Part No.	Description
1.940.606.00	Power Supply 5 V/16 A
1.940.607.00	Power Supply ± 15 V/3.5 A

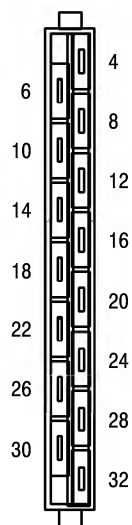


Important As the power supply units are safety-relevant parts, they may be serviced only by authorized personnel using original spare parts.
For replacement or repair, contact your nearest Studer representative.

Specifications

- Mains Voltage** 88...264 V
- Mains Frequency** 45...65 Hz
- Efficiency** > 77%
- Output Power** 100 W total
- Output(s)** Short-circuit protected, main output(s) overload protected (110%)
- Power Down (Logic Inhibit)** Control input, 4...15 V_{DC}, max. 15 mA, active high
- Power Fail** Output, open collector, active high (max. 30 V/1 mA)



Pin Assignment

Pin	Single Output (1.940.606.00)	Dual Output (1.940.607.00)
4	+5 V	n.c.
6	GND	n.c.
8	Sense GND	n.c.
10	Sense +	n.c.
12	+5 V	+15 V
14	GND	GND
16	n.c.	GND
18	n.c.	-15 V
20	Logic inhibit	Logic inhibit
22	Common	Common
24	Power fail	Power fail
26	n.c.	n.c.
28	AC live	AC live
30	AC neutral	AC neutral
32	AC Protective Earth	AC Protective Earth

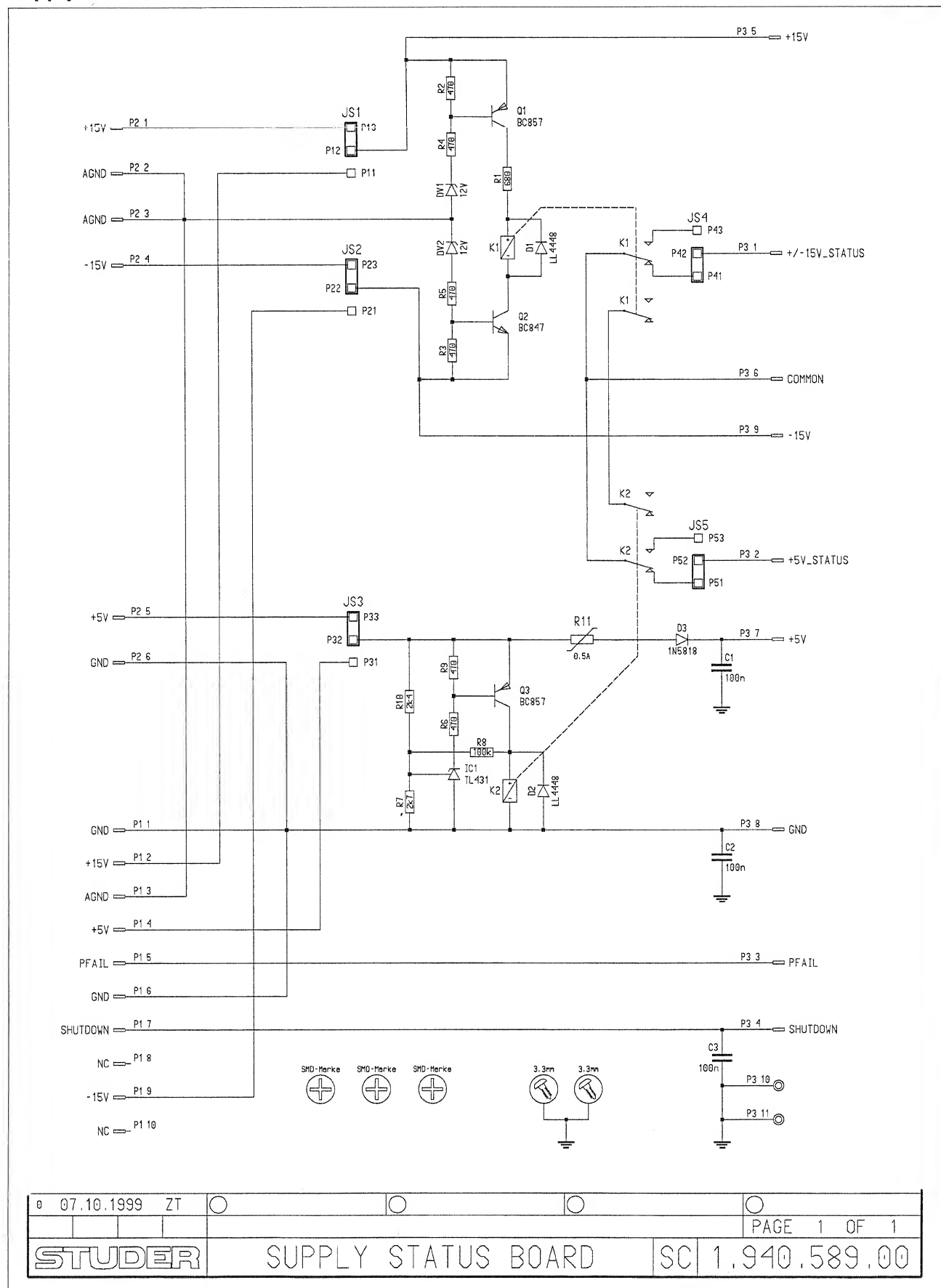
Connections

Current Version: The current versions of the 3U frames use one *power supply unit* 1.940.606 (+5 V) and 1.940.607 (± 15 V) each, together with one of the *Supply Boards* 1.940.410 (single frame), 1.940.411 (frame with redundant supply output), or 1.940.412 (frame with redundant supply input).

Earlier Version: In earlier versions of the 3U frames, one *power supply unit* 1.940.601 (+5 V) and 1.940.602 (± 15 V) each was used. For connection, a *Supply Status Board* (1.940.589 or 1.940.593) was used, together with one *Power Distributor +5/24 V w. Diode PCB* (1.940.624), and one *Power Distributor ± 15 V w. Diode PCB* (1.940.623).

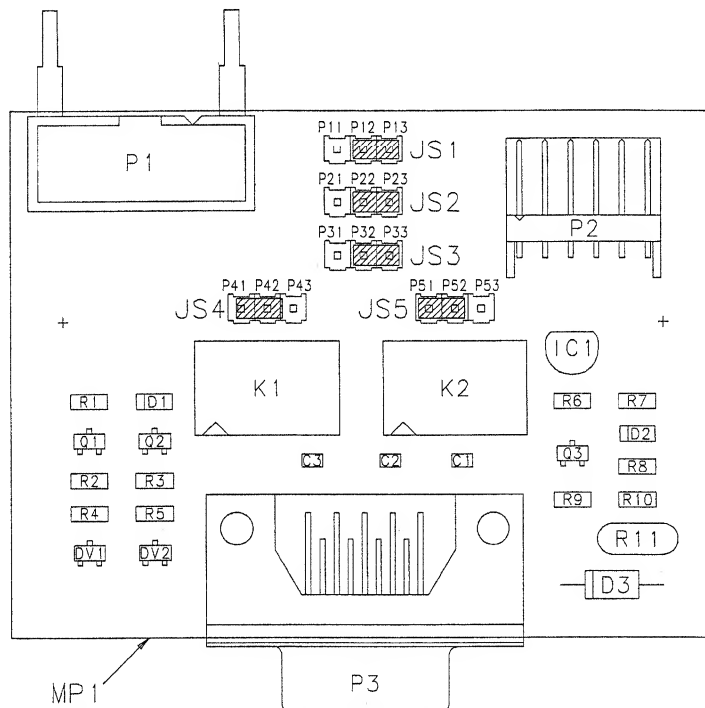


Supply Status Board I.940.589.00





Supply Status Board 1.940.589.00



Modification					3
Änderung					2
Edition	07.10.1999	ZT			0
Ausgabe	Date	Visa	Geprüft	Seen	Index
	Datum	Gez.	Gepr.	Gez.	
Copy to:					
Kopie fuer:					
Number:	1.940.589.00				
Number:					

Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0	C 2	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0	C 3	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0	D 1	50.60.8001		4448	200mA 75V 4ns SOD 80
0	D 2	50.60.8001		4448	200mA 75V 4ns SOD 80
0	D 3	50.04.0512		1N5818	D 1N 5818, 1N 5819,
0	DV 1	50.60.9019		12V	5%, 0.2W, SOT 23
0	DV 2	50.60.9019		12V	5%, 0.2W, SOT 23
0	IC 1	50.10.0106		TL431	Shunt regulator
0	JS 1	54.01.0021		Jumper	0.63 * 0.63mm
0	JS 2	54.01.0021		Jumper	0.63 * 0.63mm
0	JS 3	54.01.0021		Jumper	0.63 * 0.63mm
0	JS 4	54.01.0021		Jumper	0.63 * 0.63mm
0	JS 5	54.01.0021		Jumper	0.63 * 0.63mm
0	K 1	56.04.0197		2u	24V 125V 2A Ag/Au
0	K 2	56.04.0198		2u	5V 125V 2A Ag/Au
0	MP 1	1.940.589.11	mp		SUPPLY STATUS PCB
0	MP 2	1.940.589.10	mp		Nr.-Etikette 5 * 20
0	MP 3	43.01.0108	mp		Label
0	P 1	54.14.2101		10p	P STECKER 10 P,AU,VR,GERADE
0	P 2	54.12.0726		6p	Stecker winkel PCB
0	P 3	54.13.0071		9p	D-Sub, PCB, Winkel
0	P 11	54.01.0020		1p	Pin 0.63*0.63
0	P 12	54.01.0020		1p	Pin 0.63*0.63
0	P 13	54.01.0020		1p	Pin 0.63*0.63
0	P 21	54.01.0020		1p	Pin 0.63*0.63
0	P 22	54.01.0020		1p	Pin 0.63*0.63
0	P 23	54.01.0020		1p	Pin 0.63*0.63
0	P 31	54.01.0020		1p	Pin 0.63*0.63
0	P 32	54.01.0020		1p	Pin 0.63*0.63
0	P 33	54.01.0020		1p	Pin 0.63*0.63
0	P 41	54.01.0020		1p	Pin 0.63*0.63
0	P 42	54.01.0020		1p	Pin 0.63*0.63
0	P 43	54.01.0020		1p	Pin 0.63*0.63
0	P 51	54.01.0020		1p	Pin 0.63*0.63
0	P 52	54.01.0020		1p	Pin 0.63*0.63
0	P 53	54.01.0020		1p	Pin 0.63*0.63
0	Q 1	50.60.1001		BC857B	PNP 45V 100mA SOT 23
0	Q 2	50.60.0001		BC847B	NPN 45V 100mA SOT 23
0	Q 3	50.60.1001		BC857B	PNP 45V 100mA SOT 23
0	R 1	57.60.1681		680R	MF, 1%, 0204, E24

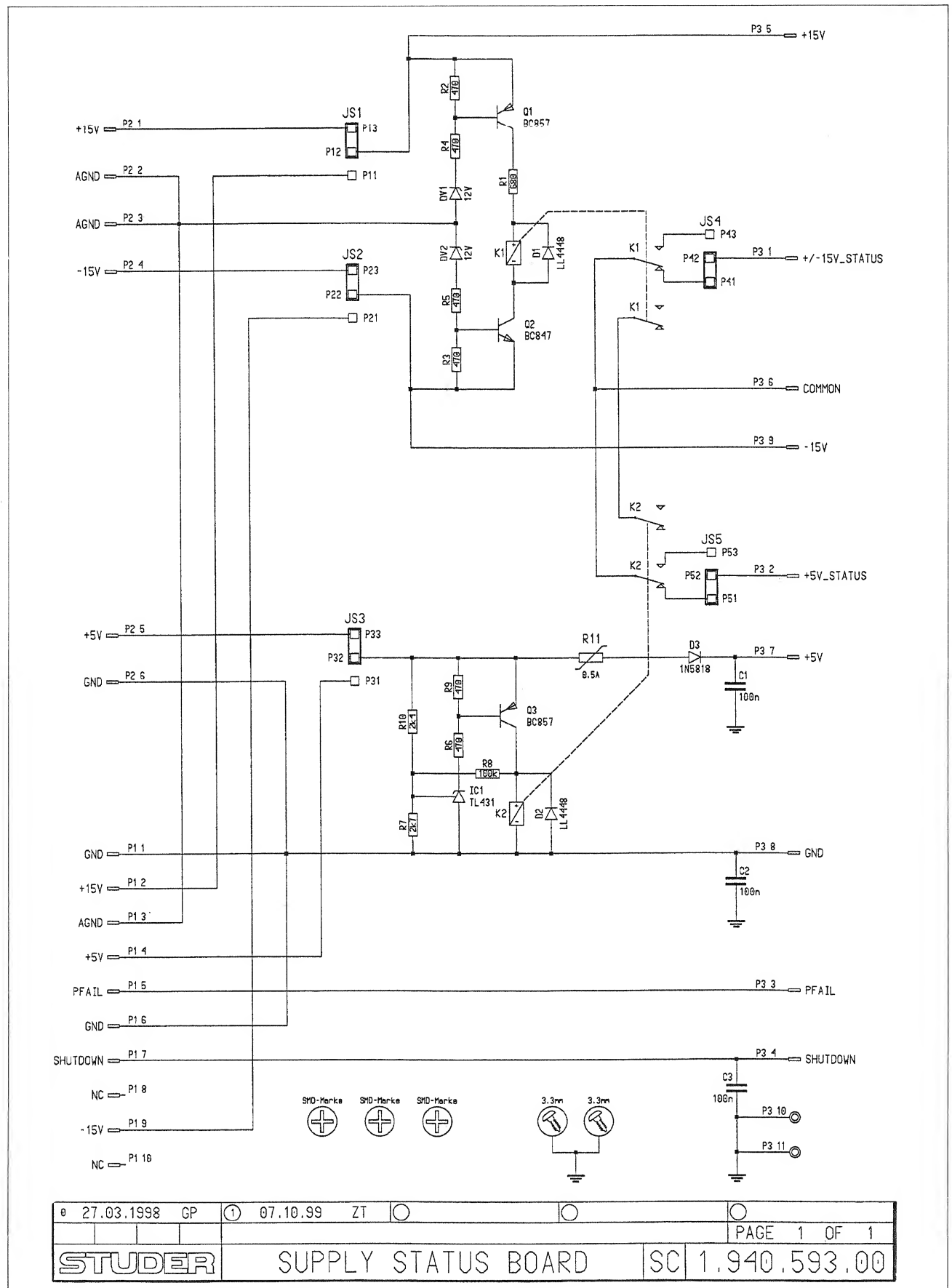
Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 2	57.60.1471		470R	MF, 1%, 0204, E24
0	R 3	57.60.1471		470R	MF, 1%, 0204, E24
0	R 4	57.60.1471		470R	MF, 1%, 0204, E24
0	R 5	57.60.1471		470R	MF, 1%, 0204, E24
0	R 6	57.60.1471		470R	MF, 1%, 0204, E24
0	R 7	57.60.1272		2K7	MF, 1%, 0204, E24
0	R 8	57.60.1104		100K	MF, 1%, 0204, E24
0	R 9	57.60.1471		470R	MF, 1%, 0204, E24
0	R 10	57.60.1242		2K4	MF, 1%, 0204, E24
0	R 11	57.92.7013		0.5A	PTC 60V

End of List

Comments

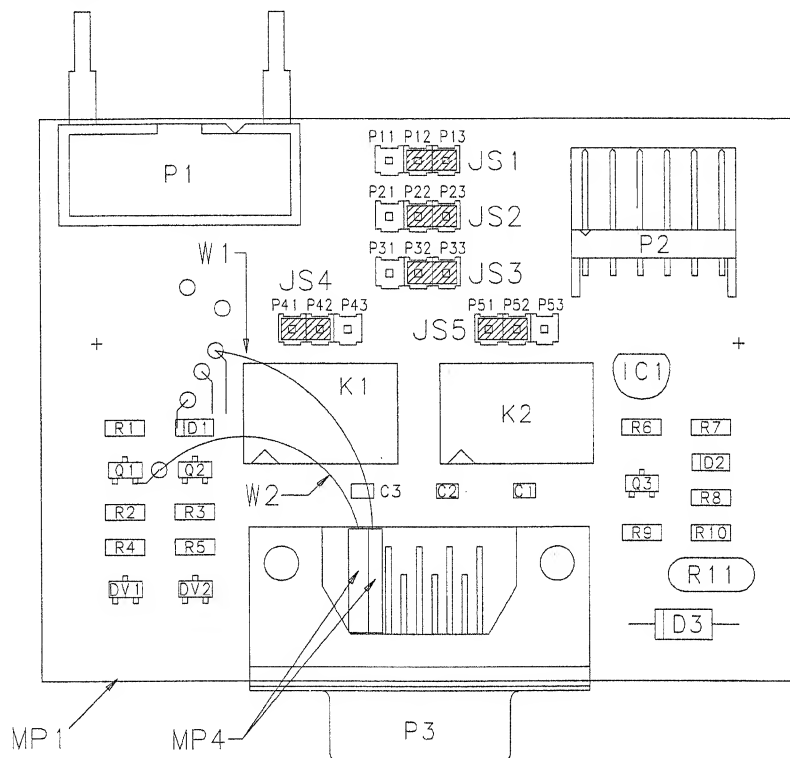


Supply Status Board 1.940.593.00





Supply Status Board I.940.593.00



Modification					3
Änderung					2
Edition	07.10.1999	ZT			1
Ausgabe	27.03.1998	GP			0
Date		Visa	Gez.	Seen	Index
Datum		Gepr.		Ges.	
Copy to:					
Kopie fuer:					
Number:	1.940.593.00				
Number:					

Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0	C 2	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0	C 3	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0	D 1	50.60.8001		4448	200mA 75V 4ns SOD 80
0	D 2	50.60.8001		4448	200mA 75V 4ns SOD 80
0	D 3	50.04.0512		1N5818	D 1N 5818, 1N 5819,
0	DV 1	50.60.9019		12V	5%, 0.2W, SOT 23
0	DV 2	50.60.9019		12V	5%, 0.2W, SOT 23
0	IC 1	50.10.0106		TL431	Shunt regulator
0	JS 1	54.01.0021		Jumper	0.63 * 0.63mm
0	JS 2	54.01.0021		Jumper	0.63 * 0.63mm
0	JS 3	54.01.0021		Jumper	0.63 * 0.63mm
0	JS 4	54.01.0021		Jumper	0.63 * 0.63mm
0	JS 5	54.01.0021		Jumper	0.63 * 0.63mm
0	K 1	56.04.0197		2u	24V 125V 2A Ag/Au
0	K 2	56.04.0198		2u	5V 125V 2A Ag/Au
0	MP 1	1.940.593.11	mp		SUPPLY STATUS PCB
0	MP 2	1.940.593.04	mp		Nr.-Etikette 5 * 20
0	MP 3	43.01.0108	mp	Label	ESE-WARNSCHILD
1	MP 4	1.010.107.65	2 pcs	2.4*10	Schrumpf-Schlauch bl
1	MP 5	43.10.0110	A		Revisions-Etikette 5mm h'blau
0	P 1	54.14.2101		10p	P STECKER 10 P.AU.VR.GERADE
0	P 2	54.12.0726		6p	Steckerwinkel PCB
0	P 3	54.13.0071		9p	D-Sub, PCB, Winkel
0	P 11	54.01.0020		1p	Pin 0.63*0.63
0	P 12	54.01.0020		1p	Pin 0.63*0.63
0	P 13	54.01.0020		1p	Pin 0.63*0.63
0	P 21	54.01.0020		1p	Pin 0.63*0.63
0	P 22	54.01.0020		1p	Pin 0.63*0.63
0	P 23	54.01.0020		1p	Pin 0.63*0.63
0	P 31	54.01.0020		1p	Pin 0.63*0.63
0	P 32	54.01.0020		1p	Pin 0.63*0.63
0	P 33	54.01.0020		1p	Pin 0.63*0.63
0	P 41	54.01.0020		1p	Pin 0.63*0.63
0	P 42	54.01.0020		1p	Pin 0.63*0.63
0	P 43	54.01.0020		1p	Pin 0.63*0.63
0	P 51	54.01.0020		1p	Pin 0.63*0.63
0	P 52	54.01.0020		1p	Pin 0.63*0.63
0	P 53	54.01.0020		1p	Pin 0.63*0.63
0	Q 1	50.60.1001		BC857B	PNP 45V 100mA SOT 23
0	Q 2	50.60.0001		BC847B	NPN 45V 100mA SOT 23
0	Q 3	50.60.1001		BC857B	PNP 45V 100mA SOT 23

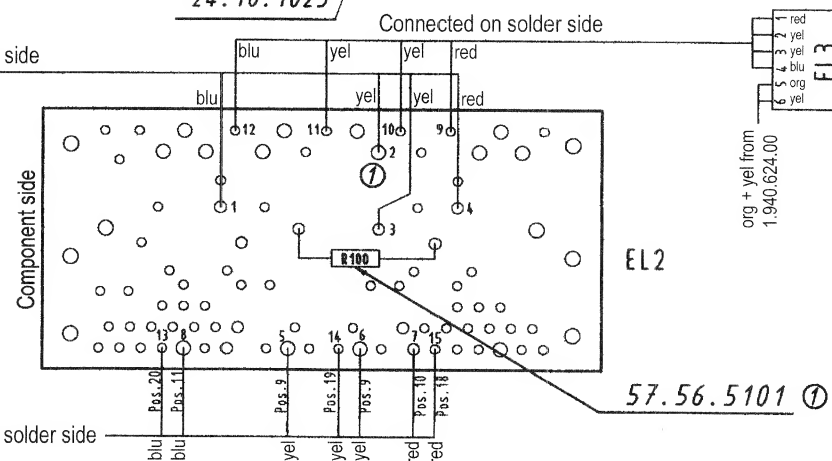
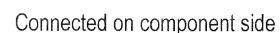
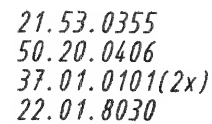
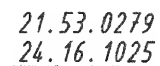
Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 1	57.60.1681		680R	MF, 1%, 0204, E24
0	R 2	57.60.1471		470R	MF, 1%, 0204, E24
0	R 3	57.60.1471		470R	MF, 1%, 0204, E24
0	R 4	57.60.1471		470R	MF, 1%, 0204, E24
0	R 5	57.60.1471		470R	MF, 1%, 0204, E24
0	R 6	57.60.1471		470R	MF, 1%, 0204, E24
0	R 7	57.60.1272		2K7	MF, 1%, 0204, E24
0	R 8	57.60.1104		100K	MF, 1%, 0204, E24
0	R 9	57.60.1471		470R	MF, 1%, 0204, E24
0	R 10	57.60.1242		2K4	MF, 1%, 0204, E24
0	R 11	57.92.7013		0.5A	PTC 60V
1	W 1	1.169.200.70			LITZE SW 70MM
1	W 2	1.169.200.70			LITZE SW 70MM


End of List

Comments

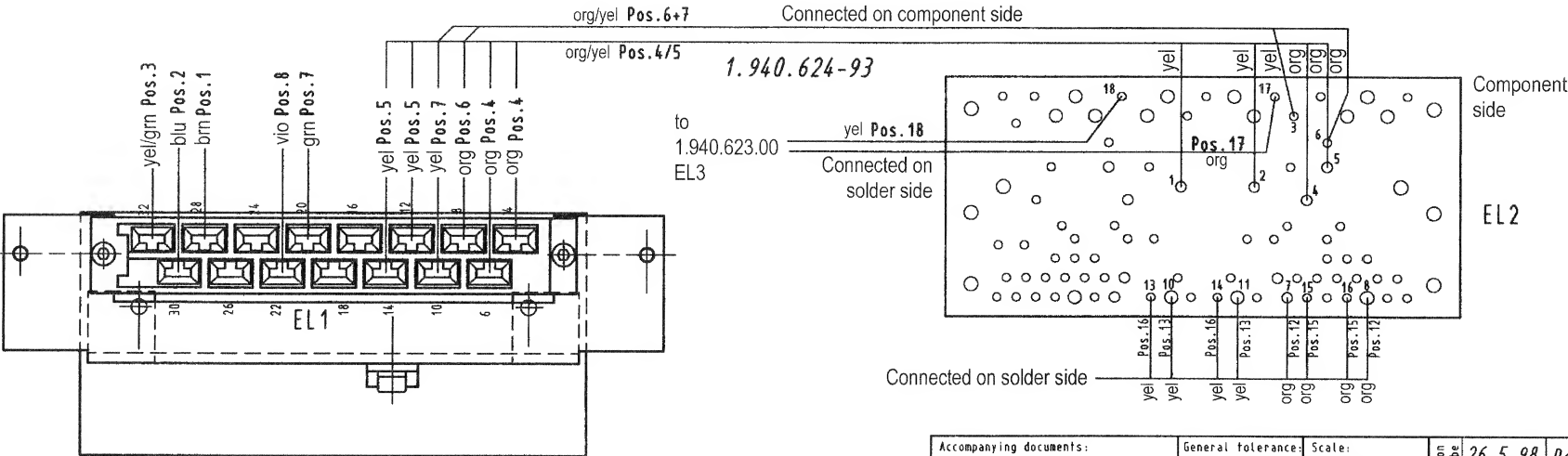
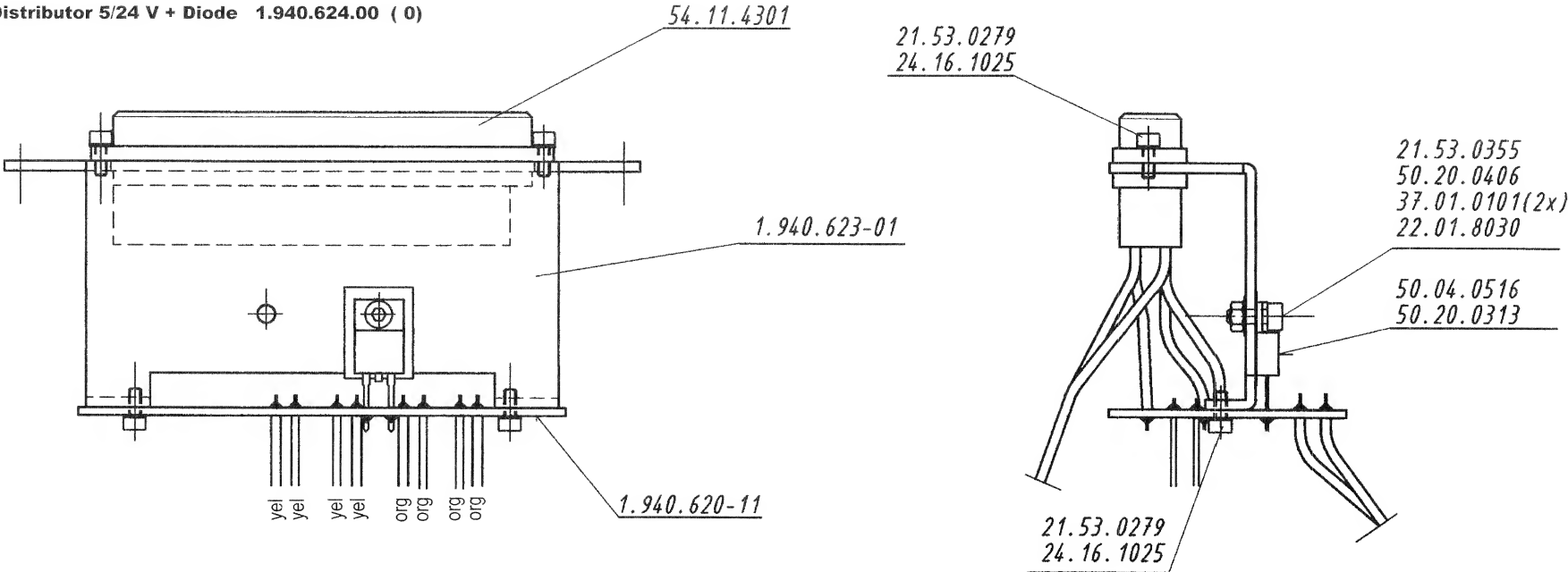
(Idx1) Additional: MP4,MP5,W1,W2

54.11.4301



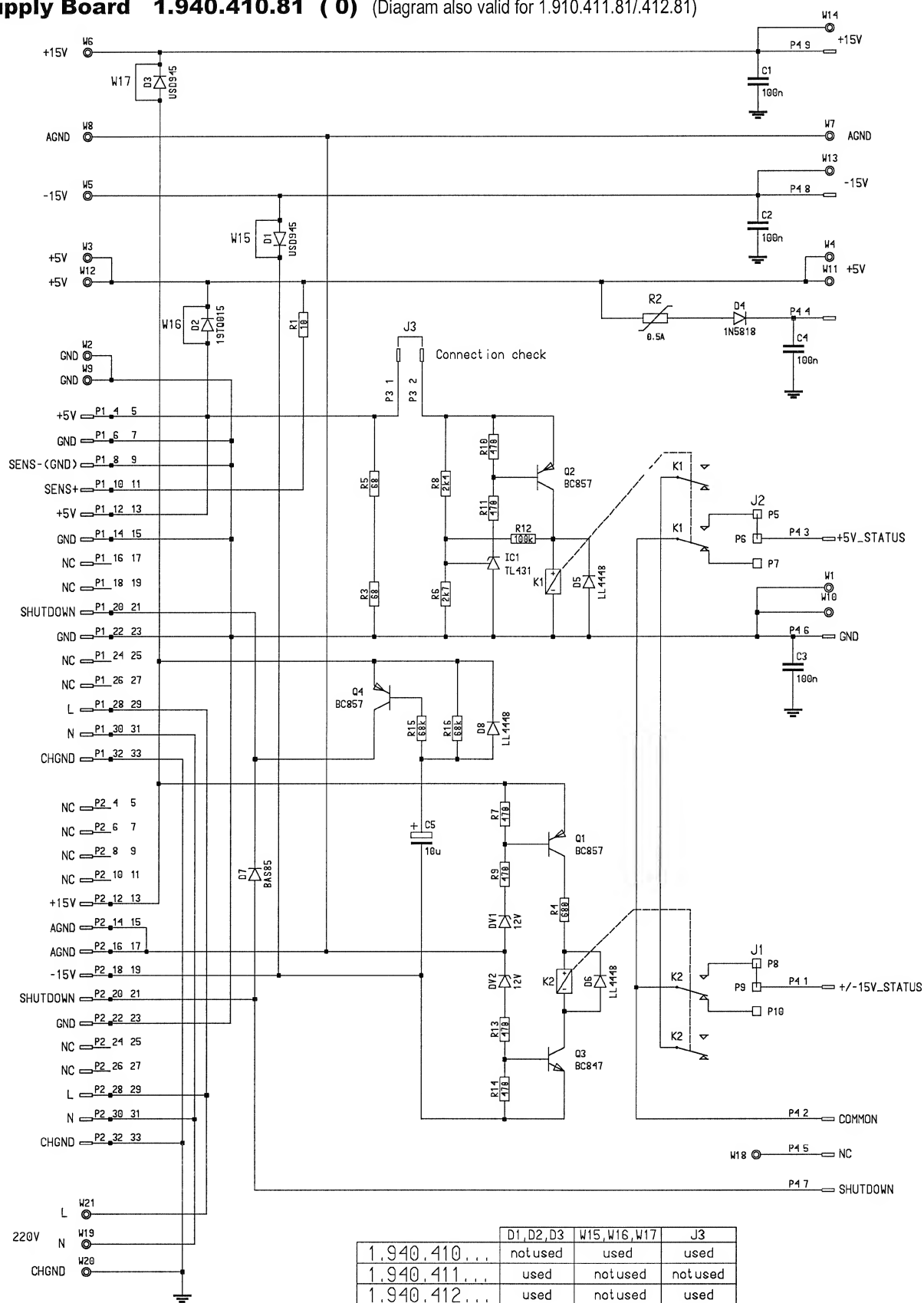
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						Date Datum		Visa Gez.		Checked Gepr.		Seen Ges.				Inc.	
Substitute for: Ersatz für:		Replaced by: Ersetzt durch:				Copy to: Kopie für:											
STUDER REGENSDORF		Description: Benennung:		Power Distr. $\pm 15V$ + Diode		Number: Nummer:		1.940.623-00									

Power Distributor 5/24 V + Diode 1.940.624.00 (0)

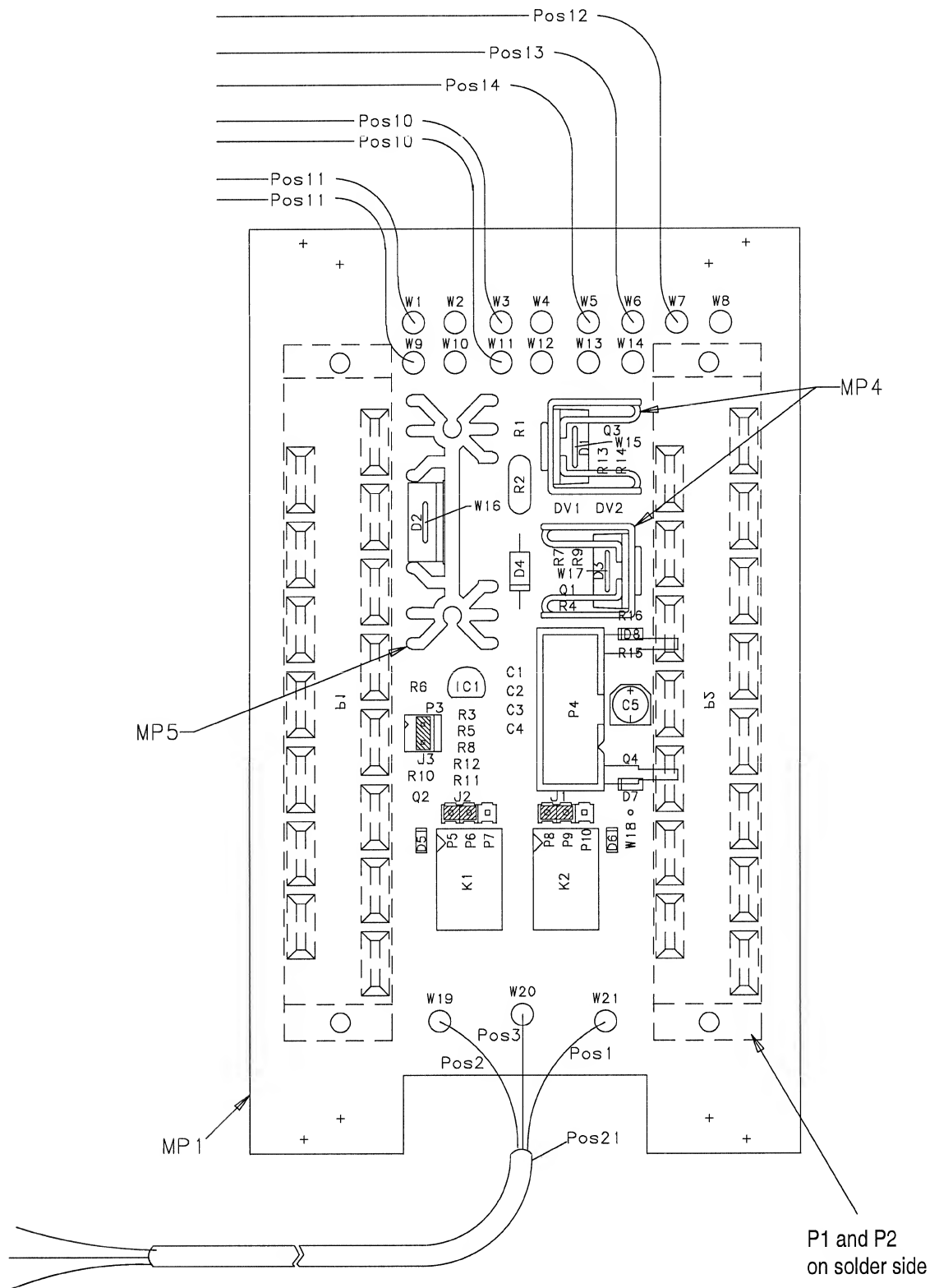


Accompanying documents: Zugehörige Unterlagen:	General tolerance: Freimasstoleranz:	Scale: Massstab:	Edition Ausgabe	26.5.98	Ro	HM	WE	⓪
Substitute for: Ersatz für:	Replaced by: Ersetzt durch:	Copy to: Kopie für:	Date Datum	26.5.98	Visa Gez.	Checked Gepr.	Seen Ges.	Index
STUDER REGENSDORF	Description: Benennung: Power.Distr.5/24V +Diode	Number: 1.940.624-00						

Supply Board 1.940.410.81 (0) (Diagram also valid for 1.910.411.81/412.81)



	D1,D2,D3	W15,W16,W17	J3
1,940,410...	not used	used	used
1,940,411...	used	not used	not used
1,940,412...	used	not used	used

Supply Board 1.940.410.81 (1)

Accompanying documents: Zugehörige Unterlagen: PL, LL		General tolerance: Freimasstoleranz:	Scale: Massstab:	Edition Ausgabe	15.04.2002	PZ	HM	RL	①
					Date Datum	Visa Gez.	Checked Gepr.	Seen Ges.	Index
Substitute for: Ersatz fuer:				Page: Seite:	1 / 1				
STUDER REGENSDORF	Description: Benennung:	SUPPLY BOARD, ESE			Number: Number:	1.940.410.81			

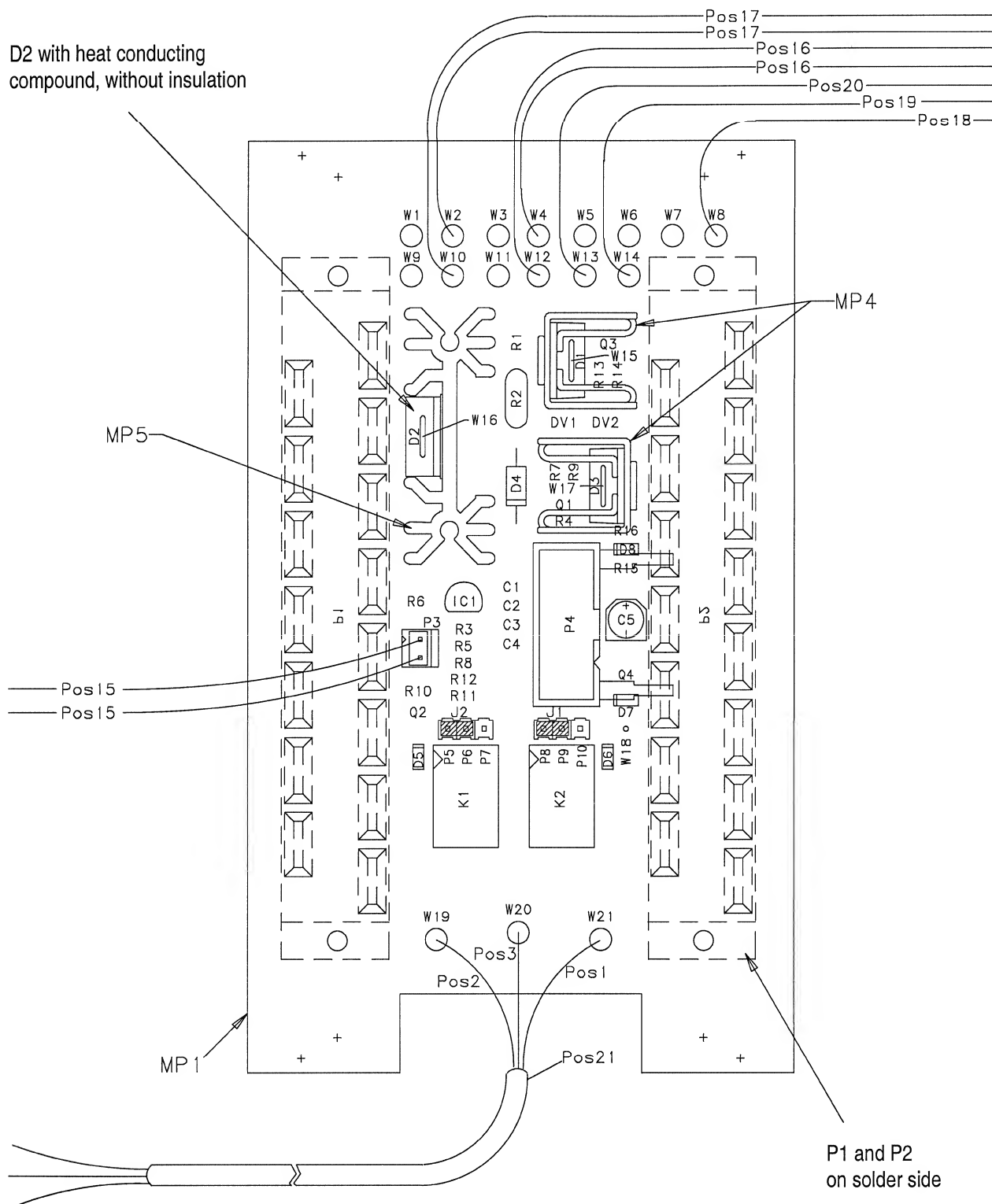
Supply Board 1.940.410.81 (1)

Page: 1 of 1

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 2	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 3	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 4	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 5	59.68.0109	1 pce	10u	EL 35V, 5.0*5.7
0 D 1	not used	1 pce	USD945	Schottky Rect 16A, 45V
0 D 2	not used	1 pce	19TQ015	19A 15V Schottky, TO 220
0 D 3	not used	1 pce	USD945	Schottky Rect 16A, 45V
0 D 4	50.04.0512	1 pce	1N5818	D 1N 5818, 1N 5819,
0 D 5	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 6	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 7	50.60.8101	1 pce	BAS85	200mA 30V Schottky SOD 80
0 D 8	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 DV 1	50.60.9019	1 pce	12V	5%, 0.2W, SOT 23
0 DV 2	50.60.9019	1 pce	12V	5%, 0.2W, SOT 23
0 IC 1	50.10.0106	1 pce	TL431	Shunt regulator
0 J 1	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au
0 J 2	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au
0 J 3	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au
0 K 1	56.04.0198	1 pce	2*u	5V 125V 2A Ag/Au
0 K 2	56.04.0197	1 pce	2*u	24V 125V 2A Ag/Au
0 LL 1	1.940.410.93	1 pce		LL Supply Board
1 MP 1	1.940.410.12	1 pce		Supply Board PCB
0 MP 2	1.940.410.10	1 pce		Nr. Etikette
0 MP 3	43.01.0108	1 pce	Label	ESE-WARNschild
0 MP 4	not used	2 pcs		Kühlkörper, TO 220, vertikal
0 MP 5	not used	1 pce		Kühlkörper, TO 220, vertikal
0 P 1	54.11.4307	1 pce	15p	EU-H, Action pin
0 P 2	54.11.4307	1 pce	15p	EU-H, Action pin
0 P 3	54.12.0702	1 pce	2p	Stecker gerade PCB
0 P 4	54.14.2101	1 pce	10p	1/20" Au, gerade, Verrieg
0 P 5	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 P 6	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 P 7	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 P 8	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 P 9	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 P 10	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 Q 1	50.60.1001	1 pce	BC857B	PNP 45V 100mA SOT 23
0 Q 2	50.60.1001	1 pce	BC857B	PNP 45V 100mA SOT 23
0 Q 3	50.60.0001	1 pce	BC847B	NPN 45V 100mA SOT 23
0 Q 4	50.60.1001	1 pce	BC857B	PNP 45V 100mA SOT 23
0 R 1	57.60.1100	1 pce	10R	MF, 1%, 0204, E24
0 R 2	57.92.7013	1 pce	0.5A	PTC 60V
0 R 3	57.60.1680	1 pce	68R	MF, 1%, 0204, E24
0 R 4	57.60.1681	1 pce	680R	MF, 1%, 0204, E24
0 R 5	57.60.1680	1 pce	68R	MF, 1%, 0204, E24
0 R 6	57.60.1272	1 pce	2k7	MF, 1%, 0204, E24
0 R 7	57.60.1471	1 pce	470R	MF, 1%, 0204, E24
0 R 8	57.60.1242	1 pce	2k4	MF, 1%, 0204, E24
0 R 9	57.60.1471	1 pce	470R	MF, 1%, 0204, E24
0 R 10	57.60.1471	1 pce	470R	MF, 1%, 0204, E24
0 R 11	57.60.1471	1 pce	470R	MF, 1%, 0204, E24
0 R 12	57.60.1104	1 pce	100k	MF, 1%, 0204, E24
0 R 13	57.60.1471	1 pce	470R	MF, 1%, 0204, E24
0 R 14	57.60.1471	1 pce	470R	MF, 1%, 0204, E24
0 R 15	57.60.1683	1 pce	68k	MF, 1%, 0204, E24
0 R 16	57.60.1683	1 pce	68k	MF, 1%, 0204, E24
0 W 15	1.010.321.64	1 pce	Wire	DRAHTBRUECKE U, 4.3* 5.0, 0.6
0 W 16	1.010.321.64	1 pce	Wire	DRAHTBRUECKE U, 4.3* 5.0, 0.6
0 W 17	1.010.321.64	1 pce	Wire	DRAHTBRUECKE U, 4.3* 5.0, 0.6

End of List

[81] Supply-snoober added as add-on: D8, C5, Q4, R15, R16,
(01) PCB redesign to eliminate add-on

Supply Board, Redundant Output 1.940.411.81 (1)

Accompanying documents: Zugehörige Unterlagen: PL, LL		General tolerance: Freimasstoleranz:	Scale: Massstab:	Edition Ausgabe	15.04.2002	PZ	HM	RL	①
				Date Datum	Visa Gez.	Checked Gepr.	Seen Ges.	Index	
Substitute for: Ersatz fuer:				Page: Seite: 1 / 1					
STUDER REGENSDORF	Description: Benennung:	SUPPLY BOARD REDUNDANT OUTPUT, ESE			Number: Number:	1.940.411.81			

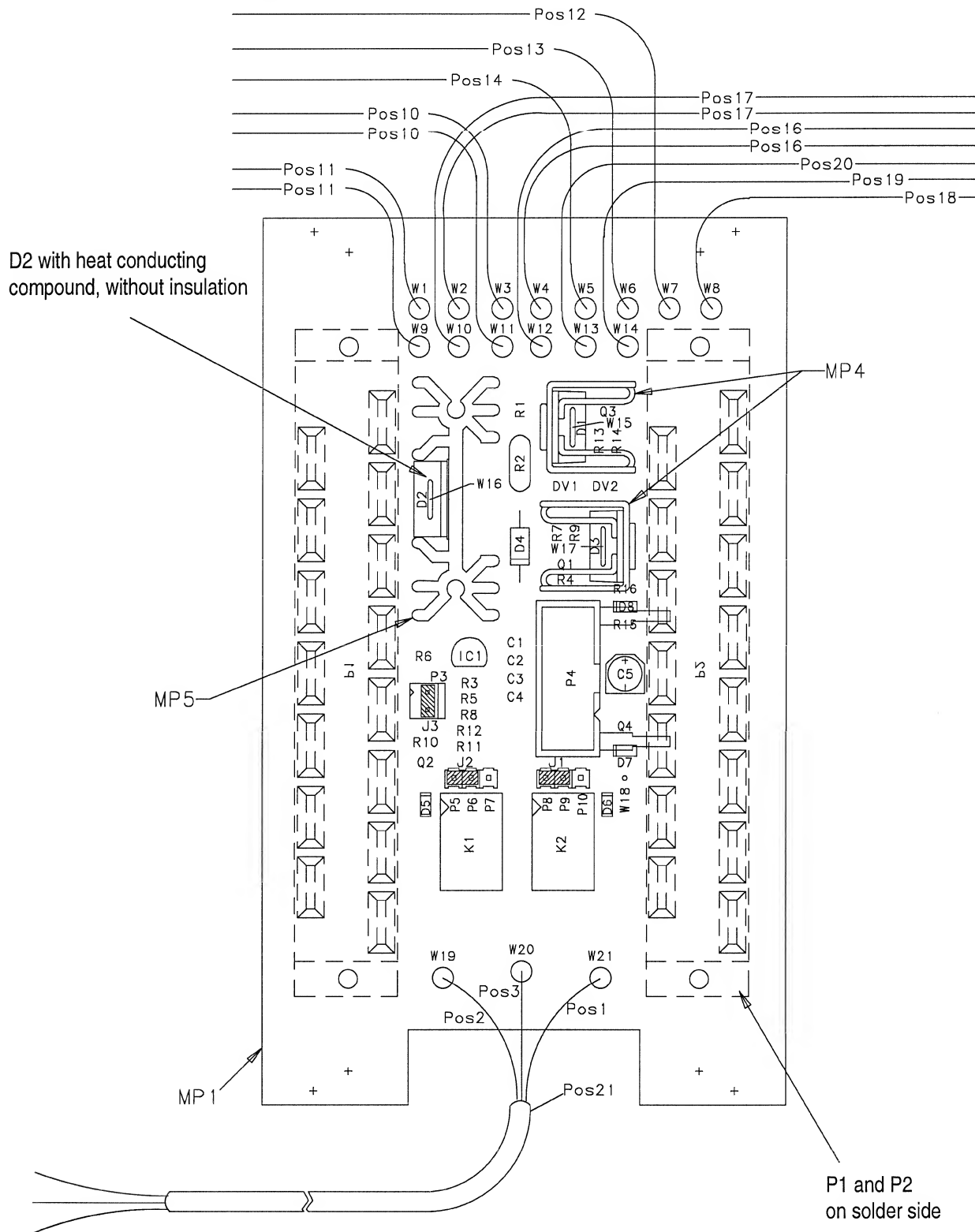
Supply Board, Redundant Output 1.940.411.81 (1)

Page: 1 of 1

Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 2	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 3	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 4	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 5	59.68.0109	1 pce	10u	EL 35V, 5.0*5.7					
0 D 1	50.04.0516	1 pce	USD945	Schottky Rect 16A, 45V					
0 D 2	50.04.0529	1 pce	19TQ015	19A 15V Schottky, TO 220					
0 D 3	50.04.0516	1 pce	USD945	Schottky Rect 16A, 45V					
0 D 4	50.04.0512	1 pce	1N5818	D 1N 5818, 1N 5819,					
0 D 5	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80					
0 D 6	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80					
0 D 7	50.60.8101	1 pce	BAS85	200mA 30V Schottky SOD 80					
0 D 8	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80					
0 DV 1	50.60.9019	1 pce	12V	5%, 0.2W, SOT 23					
0 DV 2	50.60.9019	1 pce	12V	5%, 0.2W, SOT 23					
0 IC 1	50.10.0106	1 pce	TL431	Shunt regulator					
0 J 1	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au					
0 J 2	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au					
0 K 1	56.04.0198	1 pce	2*u	5V 125V 2A Ag/Au					
0 K 2	56.04.0197	1 pce	2*u	24V 125V 2A Ag/Au					
0 LL 1	1.940.411.93			LL Supply Board red Output					
1 MP 1	1.940.410.12	1 pce		Supply Board PCB					
0 MP 2	1.940.411.10	1 pce		Nr. Etiket					
0 MP 3	43.01.0108	1 pce	Label	ESE-WARNSCHILD					
0 MP 4	50.20.3011	2 pcs		Kühlkörper, TO 220, vertikal					
0 MP 5	50.20.3012	1 pce		Kühlkörper, TO 220, vertikal					
0 P 1	54.11.4307	1 pce	15p	EU-H, Action pin					
0 P 2	54.11.4307	1 pce	15p	EU-H, Action pin					
0 P 3	54.12.0702	1 pce	2p	Stecker gerade PCB					
0 P 4	54.14.2101	1 pce	10p	1/20" Au, gerade, Verrieg					
0 P 5	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade					
0 P 6	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade					
0 P 7	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade					
0 P 8	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade					
0 P 9	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade					
0 P 10	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade					
0 Q 1	50.60.1001	1 pce	BC857B	PNP 45V 100mA SOT 23					
0 Q 2	50.60.1001	1 pce	BC857B	PNP 45V 100mA SOT 23					
0 Q 3	50.60.0001	1 pce	BC847B	NPN 45V 100mA SOT 23					
0 Q 4	50.60.1001	1 pce	BC857B	PNP 45V 100mA SOT 23					
0 R 1	57.60.1100	1 pce	10R	MF, 1%, 0204, E24					
0 R 2	57.92.7013	1 pce	0.5A	PTC 60V					
0 R 3	57.60.1680	1 pce	68R	MF, 1%, 0204, E24					
0 R 4	57.60.1681	1 pce	680R	MF, 1%, 0204, E24					
0 R 5	57.60.1680	1 pce	68R	MF, 1%, 0204, E24					
0 R 6	57.60.1272	1 pce	2k7	MF, 1%, 0204, E24					
0 R 7	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 8	57.60.1242	1 pce	2k4	MF, 1%, 0204, E24					
0 R 9	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 10	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 11	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 12	57.60.1104	1 pce	100k	MF, 1%, 0204, E24					
0 R 13	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 14	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 15	57.60.1683	1 pce	68k	MF, 1%, 0204, E24					
0 R 16	57.60.1683	1 pce	68k	MF, 1%, 0204, E24					
0 W 15	not used	1 pce	Wire	DRAHTBRUECKE U, 4.3* 5.0, 0.6					
0 W 16	not used	1 pce	Wire	DRAHTBRUECKE U, 4.3* 5.0, 0.6					
0 W 17	not used	1 pce	Wire	DRAHTBRUECKE U, 4.3* 5.0, 0.6					

End of List

[81] Supply-snoober added as add-on: D8, C5, Q4, R15, R16,
 (01) PCB redesign to eliminate add-on

Supply Board, Redundant Input 1.940.412.81 (1)

Accompanying documents: Zugehörige Unterlagen: PL, LL		General tolerance: Freimasstoleranz:	Scale: Masstab:	Edition Ausgabe 15.04.2002	PZ	HM	RL	①
Substitute for: Ersatz fuer:					Date Datum	Visa Gez.	Checked Gepr.	Seen Ges.
Page: Seite:				1 / 1				
STUDER REGENSDORF		Description: Benennung: SUPPLY BOARD REDUNDANT INPUT, ESE			Number: Number: 1.940.412.81			

Supply Board, Redundant Input 1.940.412.81 (1)

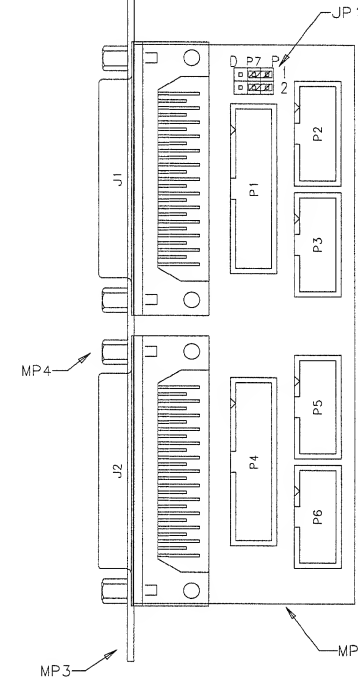
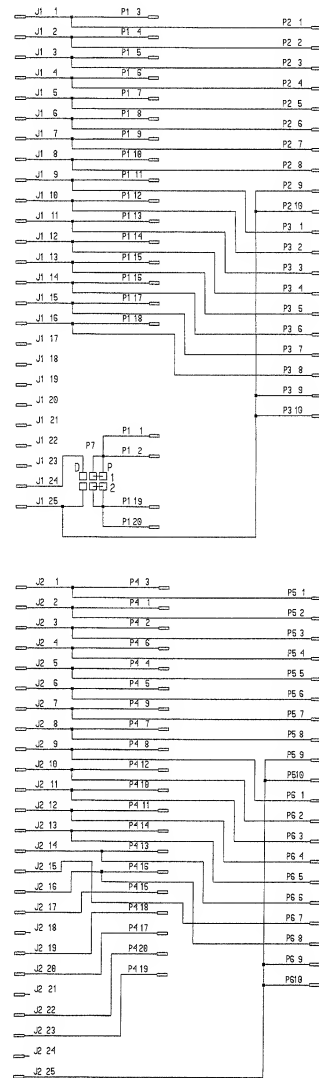
Page: 1 of 1

Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 2	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 3	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 4	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 5	59.68.0109	1 pce	10u	EL 35V, 5.0*5.7					
0 D 1	50.04.0516	1 pce	11SD945	Schottky Rect 16A, 45V					
0 D 2	50.04.0529	1 pce	19TQ015	19A 15V Schottky, TO 220					
0 D 3	50.04.0516	1 pce	USD945	Schottky Rect 16A, 45V					
0 D 4	50.04.0512	1 pce	1N5818	D 1N 5818, 1N 5819,					
0 D 5	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80					
0 D 6	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80					
0 D 7	50.60.8101	1 pce	BAS85	200mA 30V Schottky SOD 80					
0 D 8	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80					
0 DV 1	50.60.9019	1 pce	12V	5%, 0.2W, SOT 23					
0 DV 2	50.60.9019	1 pce	12V	5%, 0.2W, SOT 23					
0 IC 1	50.10.0106	1 pce	TL431	Shunt regulator					
0 J 1	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au					
0 J 2	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au					
0 J 3	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au					
0 K 1	56.04.0198	1 pce	2*u	5V 125V 2A Ag/Au					
0 K 2	56.04.0197	1 pce	2*u	24V 125V 2A Ag/Au					
0 LL 1	1.940.412.93	1 pce		LL Supply Board red Input					
1 MP 1	1.940.410.12	1 pce		Supply Board PCB					
0 MP 2	1.940.412.10	1 pce		Nr. Etiketke					
0 MP 3	43.01.0108	1 pce	Label	ESE-WARNSCHILD					
0 MP 4	50.20.3011	2 pcs		Kühlkörper, TO 220, vertikal					
0 MP 5	50.20.3012	1 pce		Kühlkörper, TO 220, vertikal					
0 P 1	54.11.4307	1 pce	15p	EU-H, Action pin					
0 P 2	54.11.4307	1 pce	15p	EU-H, Action pin					
0 P 3	54.12.0702	1 pce	2p	Stecker gerade PCB					
0 P 4	54.14.2101	1 pce	10p	1/20" Au, gerade, Verrieg					
0 P 5	54.01.0020	1 pce	1p	Pin, 1reihig, gerade					
0 P 6	54.01.0020	1 pce	1p	Pin, 1reihig, gerade					
0 P 7	54.01.0020	1 pce	1p	Pin, 1reihig, gerade					
0 P 8	54.01.0020	1 pce	1p	Pin, 1reihig, gerade					
0 P 9	54.01.0020	1 pce	1p	Pin, 1reihig, gerade					
0 P 10	54.01.0020	1 pce	1p	Pin, 1reihig, gerade					
0 Q 1	50.60.1001	1 pce	BC857B	PNP 45V 100mA SOT 23					
0 Q 2	50.60.1001	1 pce	BC857B	PNP 45V 100mA SOT 23					
0 Q 3	50.60.0001	1 pce	BC847B	NPN 45V 100mA SOT 23					
0 Q 4	50.60.1001	1 pce	BC857B	PNP 45V 100mA SOT 23					
0 R 1	57.60.1100	1 pce	10R	MF, 1%, 0204, E24					
0 R 2	57.92.7013	1 pce	0.5A	PTC 60V					
0 R 3	57.60.1680	1 pce	68R	MF, 1%, 0204, E24					
0 R 4	57.60.1681	1 pce	680R	MF, 1%, 0204, E24					
0 R 5	57.60.1680	1 pce	68R	MF, 1%, 0204, E24					
0 R 6	57.60.1272	1 pce	2k7	MF, 1%, 0204, E24					
0 R 7	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 8	57.60.1242	1 pce	2k4	MF, 1%, 0204, E24					
0 R 9	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 10	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 11	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 12	57.60.1104	1 pce	100k	MF, 1%, 0204, E24					
0 R 13	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 14	57.60.1471	1 pce	470R	MF, 1%, 0204, E24					
0 R 15	57.60.1683	1 pce	68k	MF, 1%, 0204, E24					
0 R 16	57.60.1683	1 pce	68k	MF, 1%, 0204, E24					
0 W 15	not used	1 pce	Wire	DRAHTBRUECKE U, 4.3* 5.0, 0.6					
0 W 16	not used	1 pce	Wire	DRAHTBRUECKE U, 4.3* 5.0, 0.6					
0 W 17	not used	1 pce	Wire	DRAHTBRUECKE U, 4.3* 5.0, 0.6					

End of List

[81] Supply-snoober added as add-on: D8, C5, Q4, R15, R16,
 (01) PCB redesign to eliminate add-on

Control Connection 1.940.630.81



Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	J 1	54.13.0073	25p		D-Sub, PCB, Winkel
0	J 2	54.13.0073	25p		D-Sub, PCB, Winkel
0	JP 1	54.01.0021	2 pcs	Jumper	0.63 * 0.63mm
0	MP 1	1.940.630.12	1 pce		Control Connection PCB
0	MP 2	1.940.630.10	1 pce		NR. Etikette 5 x 20
0	MP 3	1.940.619.02	1 pce		Rückwand D25+D25
0	MP 4	54.13.0081	4 pcs	4.85mm	Bolzen UNC 4-40
0	MP 5	24.16.1030	4 pcs		RIPPENSCHLEIBE D 3.2/5.5
0	P 1	54.14.2008	20p		1/20" Au, gerade, ohne Verrieg
0	P 2	54.14.2001	10p		1/20" Au, gerade, ohne Verrieg
0	P 3	54.14.2001	10p		1/20" Au, gerade, ohne Verrieg
0	P 4	54.14.2008	20p		1/20" Au, gerade, ohne Verrieg
0	P 5	54.14.2001	10p		1/20" Au, gerade, ohne Verrieg
0	P 6	54.14.2001	10p		1/20" Au, gerade, ohne Verrieg
0	P 7	54.11.0136	2*3p		Pin 0.63*0.63, RM2.54

End of List

Comments

03.09.98 / ZT		D19M		PAGE 1 / 1	
STUDER		D19M SYNC RECEIVER		1.940.557.00	

Accompanying documents: Zugehörige Unterlagen: DL	General tolerance: Freimasstoleranz: ±	Scale: Maßstab:	Edition Ausgabe 03.09.98 Date Datum Visio Gez. Oueder Gepr. Seen Ges. Index
Substitute for: Ersatz fuer:	Replaced by: Ersetzt durch:	Copy to: Kopie fuer:	
STUDER REGENSDORF Description: Benennung:	D19M SYNC RECEIVER "ESE" Number: Number: 1.940.557.00		

Sync Receiver 1.940.557.00 (1)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.06.0103		10n	PETP, 63V, 10%, RM5
0 C 2	59.06.0103		10n	PETP, 63V, 10%, RM5
0 C 3	59.22.4101		100u	EL 16V 20% RM5
0 C 4	59.22.3470		47u	EL 10V 20% RM5
0 C 5	59.06.0104		100n	PETP, 63V, 10%, RM5
0 C 6	59.06.0104		100n	PETP, 63V, 10%, RM5
0 C 7	59.22.4101		100u	EL 16V 20% RM5
0 C 8	59.06.0104		100n	PETP, 63V, 10%, RM5
0 C 9	59.06.0104		100n	PETP, 63V, 10%, RM5
0 C 10	59.06.0104		100n	PETP, 63V, 10%, RM5
0 C 11	59.34.4101		100p	CER 63V, 5%, N750
0 C 12	59.06.0103		10n	PETP, 63V, 10%, RM5
0 C 13	59.06.0104		100n	PETP, 63V, 10%, RM5
0 C 14	59.06.0104		100n	PETP, 63V, 10%, RM5
0 DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN
0 IC 1	50.11.0131		ICL7660	IC ICL 7660 CPA,TSC.,,SI.,,
0 IC 2	50.06.0004		74LS04	SN 74 LS 04 N
0 IC 3	50.11.1002		LM360	High speed Comparator
0 L 1	62.02.3220		22uH	10%, radial RM 5
0 MP 1	1.940.557.11			D19M SYNC RECEIVER PCB
0 MP 2	1.940.557.04			TYPENSCHILD
0 MP 3	43.01.0108			ESE-WARNschild
0 MP 4	50.20.2501 1 pce		Spacer	LED-Sockel
0 MP 10	1.940.557.01 1 pce			FRONTPLATTE
0 MP 11	1.940.600.04 1 pce			GRIFFEINLAGE 4TE
0 MP 12	49.02.0520 2 pcs		M2.5*12	Rändelschraube (Rack)
0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)
0 MP 14	49.02.0522 2 pcs			Kartenhalter mit Z-Schr
0 MP 15	49.02.0523 1 pce		M2.5*7	Senk-Schr, KS, Senkripp
0 MP 16	49.02.0504 1 pce		4TE	Frontplatten-Griff
1 MP 17	not used 2 pcs		M2.5*6	Z-Schraube Inbus Zn gb chr
				<i>Schraube ist in MP14 (49.02.0522 Kartenhalter) enthalten</i>
0 MP 18	21.53.0284 1 pce		M2.5*16	Z-Schraube Inbus Zn gb chr
0 MP 19	28.99.0119 2 pcs			ROHRNIETE D 2.5*0.15* 9
0 P 1	54.11.2009		96p	EU-R 3*32p
0 R 1	57.92.7053		1.6A	PTC 30V
0 R 2	57.11.3103		10k	MF, 1%, 0207
0 R 3	57.11.3103		10k	MF, 1%, 0207
0 R 4	57.11.3471		470R	MF, 1%, 0207
0 R 5	57.11.3271		270R	MF, 1%, 0207
0 R 6	57.11.3103		10k	MF, 1%, 0207
0 R 7	57.11.3103		10k	MF, 1%, 0207
0 R 8	57.11.3103		10k	MF, 1%, 0207
0 R 9	57.11.3471		470R	MF, 1%, 0207
0 R 10	57.11.3150		15R	MF, 1%, 0207
0 R 11	57.11.3271		270R	MF, 1%, 0207
0 R 12	57.11.3150		15R	MF, 1%, 0207
0 R 13	57.11.3102		1k0	MF, 1%, 0207
0 T 1	63.15.0001		1:1:1	Impuls-Transformator
0 TP 1	54.02.0320		1p	PCB-Flachst 2.8*0.8, gerade

End of List

(1) 12.04.00 MP 17 not used

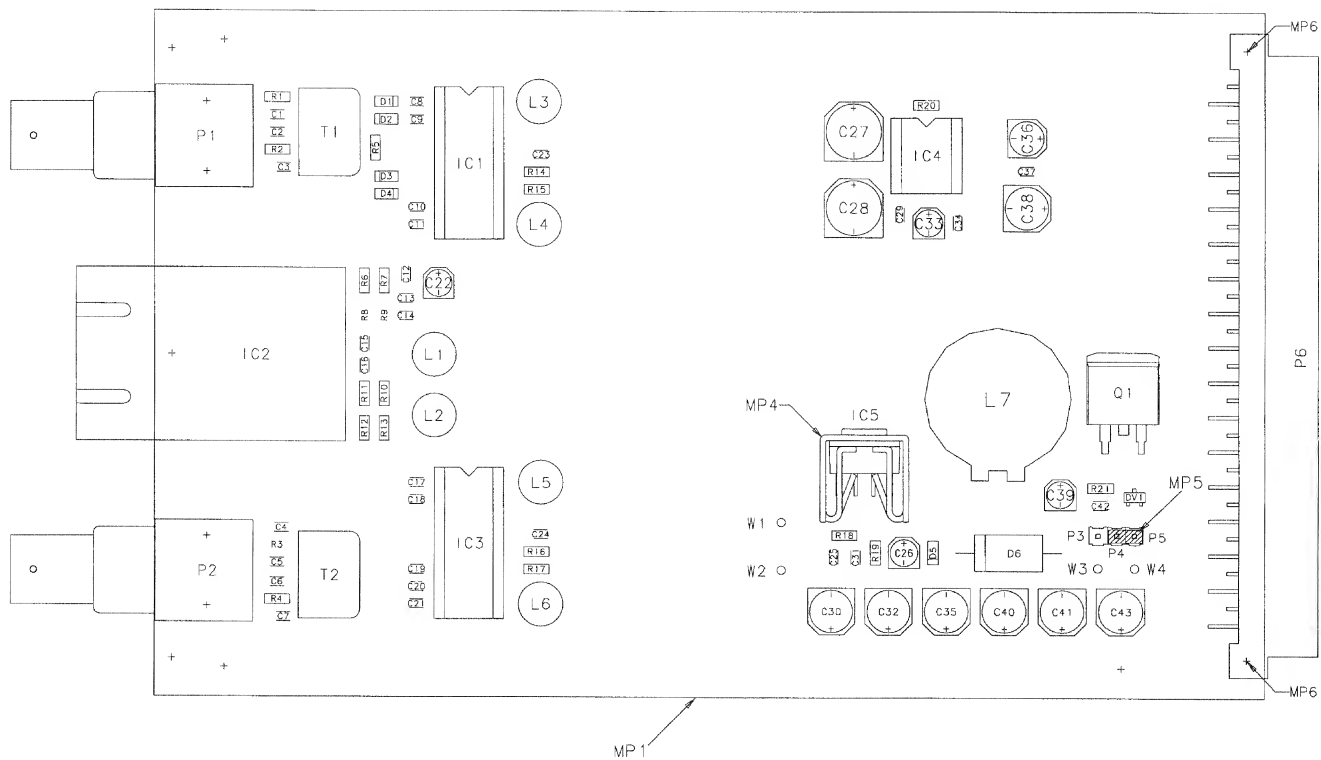
The PCB layout for the 100W Class D amplifier is divided into several functional sections:

- Power Section:** Features a transformer (T1) with a 1:1.1 ratio, a Class D amplifier (IC3, MAX9685), and a second transformer (T2) with a 1:1.1 ratio. The output is connected to a speaker (P2).
- Control Section:** Includes a control IC (IC2, HI845105) and a feedback IC (IC4, MAX6602CPA).
- Power Supply Section:** A voltage regulator (IC5, L4960) converts a 10V-35V input to a regulated 5V output.
- Passive Components:** Numerous capacitors (C1-C29) and resistors (R1-R19) are used for filtering, timing, and biasing.
- Connectors:** P1 and P2 are power connectors, while W1, W2, W3, and W4 are test points.

Pinout Table:

Pin	Signal
P1.1a	GND
P1.2a	GND
P1.3a	NC
P1.4a	+5V
P1.5a	+5V
P1.6a	+5V
P1.7a	10V...35V
P1.8a	10V...35V
P1.9a	NC
P1.10a	NC
P1.11a	NC
P1.12a	NC
P1.13a	NC
P1.14a	NC
P1.15a	NC
P1.16a	NC
P1.17a	NC
P1.18a	NC
P1.19a	NC
P1.20a	NC
P1.21a	NC
P1.22a	NC
P1.23a	NC
P1.24a	NC
P1.25a	NC
P1.26a	NC
P1.27a	NC
P1.28a	NC
P1.29a	NC
P1.30a	NC
P1.31a	GND
P1.32a	GND

Optical/Coax Interface 1.940.558.00 (0)



Accompanying documents: Zugehörige Unterlagen: PL, BV640		General tolerance: Freimasstoleranz:	Scale: Maßstab:	Edition: Ausgabe	02.12.1999	ZT			0
Substitute for: Ersatz fuer:				Date: Datum		Visa Ger.	Checked Gepr.	Seen Ges.	Index
STUDER REGENSDORF		OPTICAL COAX INTERFACE, ESE		Page: Seite:	1 / 1				
Description: Bezeichnung:				Number: Nummer:	1.940.558.00				

Optical/Coax Interface 1.940.558.00 (0)

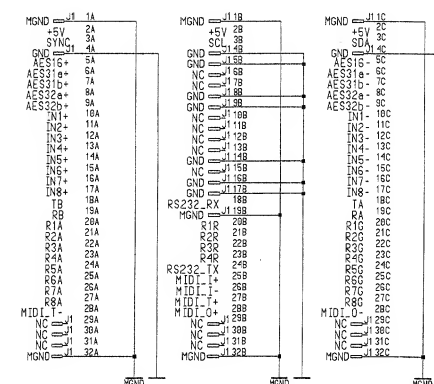
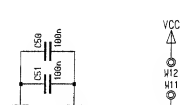
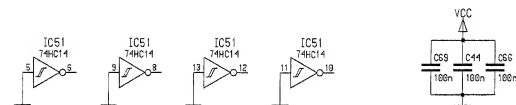
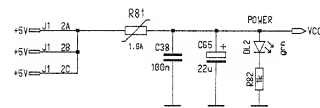
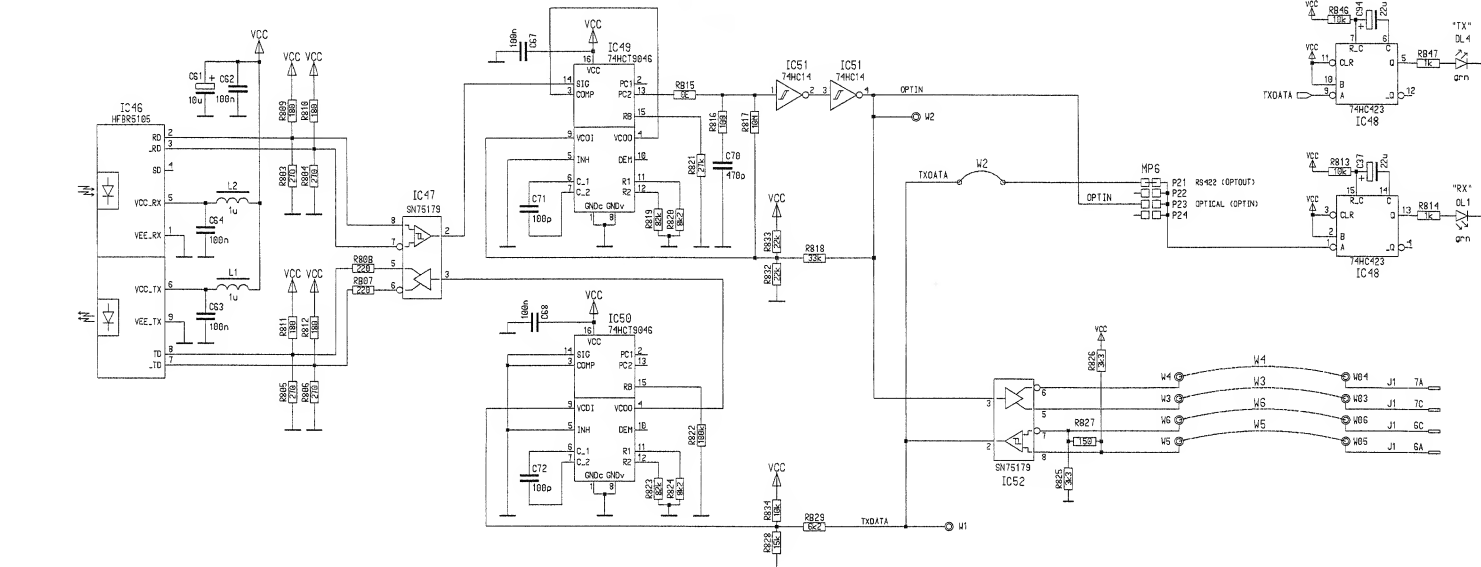
Page: 1 of 1

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3333		47n	CER 50V, 10%, X7R, 0805
0 C 2	59.60.2373		1n0	CER 50V, 5%, C0G, 0805
0 C 3	59.60.3333		47n	CER 50V, 10%, X7R, 0805
0 C 4	59.60.3333		47n	CER 50V, 10%, X7R, 0805
0 C 5	59.60.3333		47n	CER 50V, 10%, X7R, 0805
0 C 6	59.60.2373		1n0	CER 50V, 5%, C0G, 0805
0 C 7	59.60.3333		47n	CER 50V, 10%, X7R, 0805
0 C 8	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 9	59.60.2373		1n0	CER 50V, 5%, C0G, 0805
0 C 10	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 11	59.60.2373		1n0	CER 50V, 5%, C0G, 0805
0 C 12	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 13	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 14	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 15	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 16	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 17	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 18	59.60.2373		1n0	CER 50V, 5%, C0G, 0805
0 C 19	59.60.3333		47n	CER 50V, 10%, X7R, 0805
0 C 20	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 21	59.60.2373		1n0	CER 50V, 5%, C0G, 0805
0 C 22	59.68.0065		10u	EL 16V, 4.0*5.7
0 C 23	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 24	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 25	59.60.3331		33n	CER 50V, 10%, X7R, 0805
0 C 26	59.68.0065		10u	EL 16V, 4.0*5.7
0 C 27	59.68.0073		220u	EL 16V, 8.0*10.7
0 C 28	59.68.0073		220u	EL 16V, 8.0*10.7
0 C 29	59.60.3325		10n	CER 50V, 10%, X7R, 0805
0 C 30	59.68.0111		22u	EL 35V, 6.3*5.7
0 C 31	59.60.3315		1n5	CER 50V, 10%, X7R, 0805
0 C 32	59.68.0111		22u	EL 35V, 6.3*5.7
0 C 33	59.68.0065		10u	EL 16V, 4.0*5.7
0 C 34	59.60.3325		10n	CER 50V, 10%, X7R, 0805
0 C 35	59.68.0029		100u	EL 6V, 6.3*5.7
0 C 36	59.68.0067		22u	EL 16V, 5.0*5.7
0 C 37	59.60.3337		100n	CER 50V, 10%, X7R, 0805
0 C 38	59.68.0111		22u	EL 35V, 6.3*5.7
0 C 39	59.68.0065		10u	EL 16V, 4.0*5.7
0 C 40	59.68.0029		100u	EL 6V, 6.3*5.7
0 C 41	59.68.0029		100u	EL 6V, 6.3*5.7
0 C 42	59.60.3325		10n	CER 50V, 10%, X7R, 0805
0 C 43	59.68.0029		100u	EL 6V, 6.3*5.7
0 D 1	50.60.8001		4448	200mA 75V 4ns SOD 80
0 D 2	50.60.8001		4448	200mA 75V 4ns SOD 80
0 D 3	50.60.8001		4448	200mA 75V 4ns SOD 80
0 D 4	50.60.8001		4448	200mA 75V 4ns SOD 80
0 D 5	50.60.8001		4448	200mA 75V 4ns SOD 80
0 D 6	50.04.0519		1N5822	3A, Schottky
0 DV 1	50.60.9011		5V6	5%, 0.2W, SOT 23
0 IC 1	50.11.0156		MAX9685	ECL Comparator, latching
0 IC 2	89.10.0021		HFBRS103	LWL Transceiver FDDI/MADI
0 IC 3	50.11.0156		MAX9685	ECL Comparator, latching
0 IC 4	50.10.0124		MAX660	V-Converter ... +5.5V to -5.5V
0 IC 5	50.10.0122		L4960	L 4960,
0 L 1	62.02.3109		1uH	20%, radial RM 5
0 L 2	62.02.3109		1uH	20%, radial RM 5
0 L 3	62.02.3100		10uH	10%, radial RM 5
0 L 4	62.02.3100		10uH	10%, radial RM 5
0 L 5	62.02.3100		10uH	10%, radial RM 5
0 L 6	62.02.3100		10uH	10%, radial RM 5
0 L 7	62.03.0025		250uH	2A Toroid Chocke
0 MP 1	1.940.558.11			opt-coax Interface PCB
0 MP 2	1.940.558.10			NR. ETIKETTE 5 * 20
0 MP 3	43.01.0108		Label	ESE-WARNSCHILD
0 MP 4	50.20.3011			Kühlkörper, TO 220, vertikal
0 MP 5	54.01.0021		Jumper	0.63*0.63mm, Au
0 MP 6	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9
0 P 1	54.21.2021		BNC	BNC 1p, angle, PCB
0 P 2	54.21.2021		BNC	BNC 1p, angle, PCB
0 P 3	54.01.0020		1p	Pin, 1reihig, gerade
0 P 4	54.01.0020		1p	Pin, 1reihig, gerade
0 P 5	54.01.0020		1p	Pin, 1reihig, gerade
0 P 6	54.01.0359		32p	EU-B 2*16p
0 Q 1	50.60.7001		BT138B	Triac 8A, 600V, SOT 404
0 R 1	57.60.1750		75R	MF, 1%, 0204, E24
0 R 2	57.60.1100		10R	MF, 1%, 0204, E24
0 R 3	57.60.1560		56R	MF, 1%, 0204, E24
0 R 4	57.60.1100		10R	MF, 1%, 0204, E24
0 R 5	57.60.1122		1k2	MF, 1%, 0204, E24
0 R 6	57.60.1101		100R	MF, 1%, 0204, E24
0 R 7	57.60.1101		100R	MF, 1%, 0204, E24
0 R 8	57.60.1221		220R	MF, 1%, 0204, E24
0 R 9	57.60.1221		220R	MF, 1%, 0204, E24
0 R 10	57.60.1131		130R	MF, 1%, 0204, E24
0 R 11	57.60.1131		130R	MF, 1%, 0204, E24
0 R 12	57.60.1820		82R	MF, 1%, 0204, E24

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 13	57.60.1820		82R	MF, 1%, 0204, E24
0 R 14	57.60.1331		330R	MF, 1%, 0204, E24
0 R 15	57.60.1331		330R	MF, 1%, 0204, E24
0 R 16	57.60.1471		470R	MF, 1%, 0204, E24
0 R 17	57.60.1471		470R	MF, 1%, 0204, E24
0 R 18	57.60.1153		15k	MF, 1%, 0204, E24
0 R 19	57.60.1123		12k	MF, 1%, 0204, E24
0 R 20	57.60.1101		100R	MF, 1%, 0204, E24
0 R 21	57.60.1102		1k0	MF, 1%, 0204, E24
0 T 1	63.15.0001		1:1:1	Impuls-Transformator
0 T 2	63.15.0001		1:1:1	Impuls-Transformator

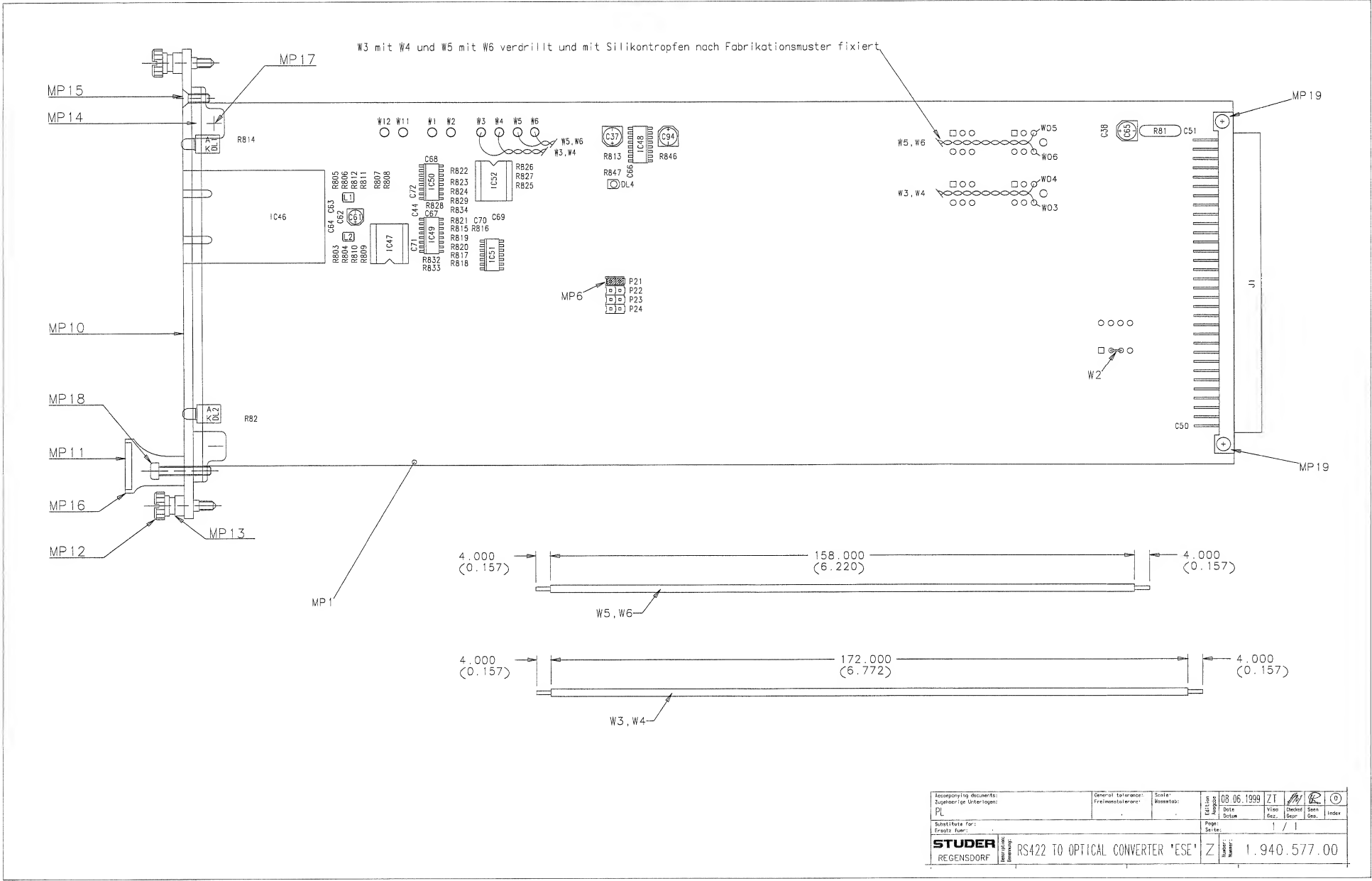
End of List

RS 422 To Optical Converter 1.940.577.00





RS 422 To Optical Converter 1.940.577.00





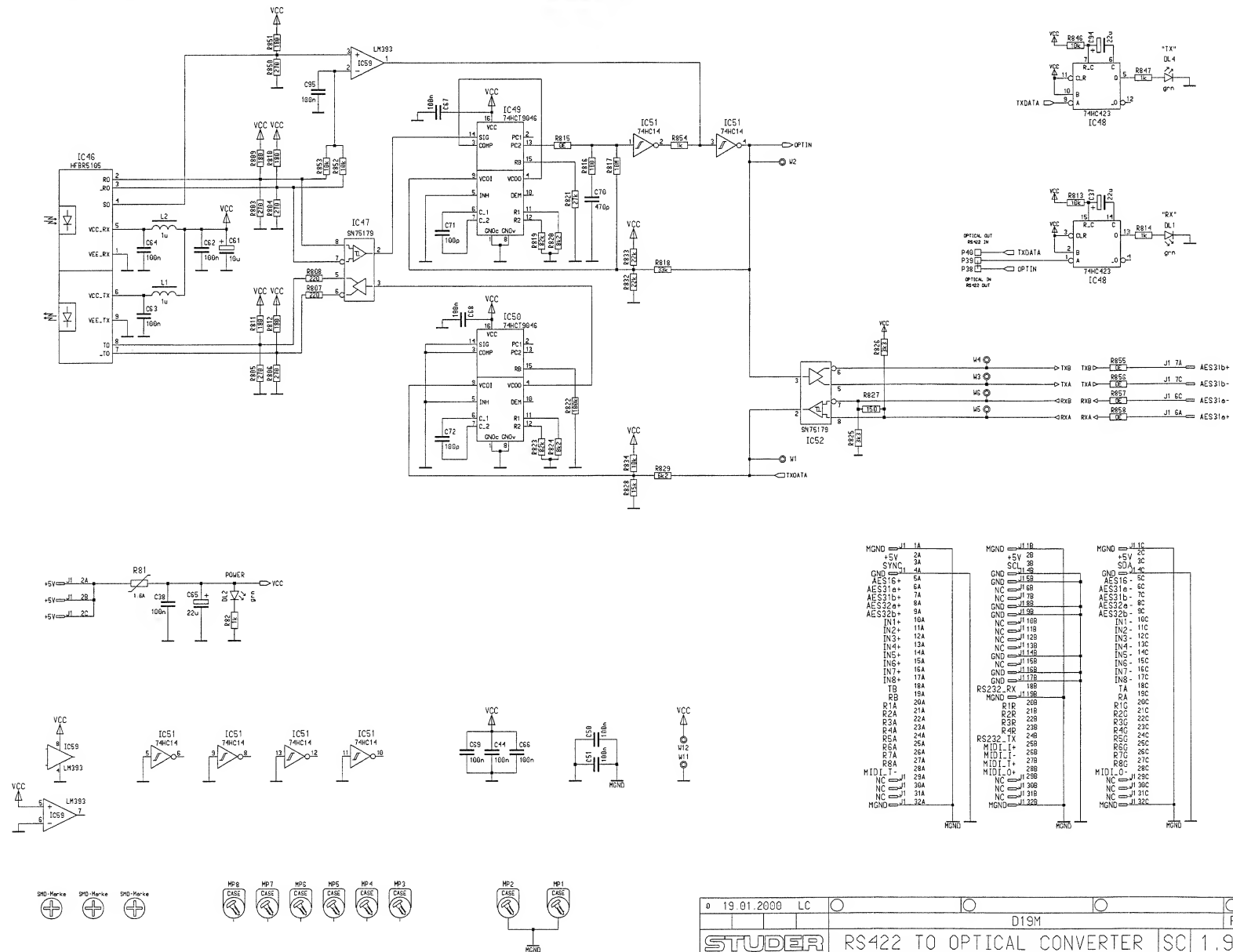
RS 422 To Optical Converter I.940.577.00

Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 37	59.68.0067		22u	C-EL 16V, 5.0*5.7	0	R 829	57.60.1622		6K2	MF, 1%, 0204, E24
0	C 38	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 832	57.60.1223		22K	MF, 1%, 0204, E24
0	C 44	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 833	57.60.1223		22K	MF, 1%, 0204, E24
0	C 50	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 834	57.60.1103		10K	MF, 1%, 0204, E24
0	C 51	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 846	57.60.1103		10K	MF, 1%, 0204, E24
0	C 61	59.68.0065		10u	C-EL 16V, 4.0*5.7	0	R 847	57.60.1102		1K	MF, 1%, 0204, E24
0	C 62	59.60.3337		100n	CER 50V, 10%, X7R, 0805						
0	C 63	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	W 2	1.010.329.64		Wire	DRAHTBRUECKE U, 4.3* 2.5, 0.6
0	C 64	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	W 3	64.02.0183	180 mm		LITZE OR AWG 26
0	C 65	59.68.0067		22u	C-EL 16V, 5.0*5.7	0	W 4	64.02.0184	180 mm		LITZE GB AWG 26
0	C 66	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	W 5	64.02.0185	166 mm		LITZE GN AWG 26
0	C 67	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	W 6	64.02.0186	166 mm		LITZE BL AWG 26
0	C 68	59.60.3337		100n	CER 50V, 10%, X7R, 0805						
0	C 69	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	XDL 1	50.20.2501		Spacer	LED-Sockel
0	C 70	59.60.2365		470p	CER 50V, 5%, C0G, 0805	0	XDL 2	50.20.2501		Spacer	LED-Sockel
0	C 71	59.60.2249		100p	CER 50V, 5%, C0G, 0803						
0	C 72	59.60.2249		100p	CER 50V, 5%, C0G, 0803	0	XIC 52	53.03.0166		8p	DIL 0.3", lötl, gerade
0	C 94	59.68.0067		22u	C-EL 16V, 5.0*5.7						
0	DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN						
0	DL 2	50.04.2202		HLMP1790	DL HLMP - 1790 GN						
0	DL 4	not used		TLUG 2401	DL TLUG 2401 GN MATT						
0	IC 46	89.10.0021		HFBRS1105	LWL Transceiver FDDI/MADI						
0	IC 47	50.15.0126		75179B	IC SN 75179B P						
0	IC 48	50.62.1423		74HC423	Dual multivibr monost retrigg						
0	IC 49	50.62.4946		74HCT9046	PLL with bandgap contr VCO						
0	IC 50	50.62.4946		74HCT9046	PLL with bandgap contr VCO						
0	IC 51	50.62.1014		74HC 14	Hex Schmitt trigger inverter						
0	IC 52	50.15.0126		75179B	IC SN 75179B P						
0	J 1	54.11.2009		96p	EU-R 3*32p						
0	L 1	62.60.0101		1.0uH	10%, SMD 1210						
0	L 2	62.60.0101		1.0uH	10%, SMD 1210						
0	MP 1	1.940.576.11			Processor Board PCB						
0	MP 2	1.940.577.04			Typenschild						
0	MP 3	43.01.0108		Label	ESE-WARNSCHILD						
0	MP 6	54.01.0021	1 pce	Jumper	0.63 * 0.63mm						
0	MP 10	1.940.576.01	1 pce		FRONTPLATTE RCC						
0	MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE						
0	MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)						
0	MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)						
0	MP 14	49.02.0522	2 pcs		Kartenhalter (Rack)						
0	MP 15	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp						
0	MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff						
0	MP 17	21.53.0279	2 pcs	M2.5*6	Z-Schraube Inbus Zn gb chr						
0	MP 18	21.53.0284	1 pce	M2.5*16	Z-Schraube Inbus Zn gb chr						
0	MP 19	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9						
0	P 21	54.01.0020	2 pcs	1p	Pin 0.63*0.63						
0	P 22	54.01.0020	2 pcs	1p	Pin 0.63*0.63						
0	P 23	54.01.0020	2 pcs	1p	Pin 0.63*0.63						
0	P 24	54.01.0020	2 pcs	1p	Pin 0.63*0.63						
0	R 81	57.92.7053		1.6A	POLY- PTC, 30V						
0	R 82	57.60.1102		1K	MF, 1%, 0204, E24						
0	R 803	57.60.1271		270R	MF, 1%, 0204, E24						
0	R 804	57.60.1271		270R	MF, 1%, 0204, E24						
0	R 805	57.60.1271		270R	MF, 1%, 0204, E24						
0	R 806	57.60.1271		270R	MF, 1%, 0204, E24						
0	R 807	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 808	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 809	57.60.1181		180R	MF, 1%, 0204, E24						
0	R 810	57.60.1181		180R	MF, 1%, 0204, E24						
0	R 811	57.60.1181		180R	MF, 1%, 0204, E24						
0	R 812	57.60.1181		180R	MF, 1%, 0204, E24						
0	R 813	57.60.1103		10K	MF, 1%, 0204, E24						
0	R 814	57.60.1102		1K	MF, 1%, 0204, E24						
0	R 815	57.60.1000		0R0	MF, 0204						
0	R 816	57.60.1101		100R	MF, 1%, 0204, E24						
0	R 817	57.60.1106		10M	MF, 1%, 0204, E24						
0	R 818	57.60.1333		33K	MF, 1%, 0204, E24						
0	R 819	57.60.1823		82K	MF, 1%, 0204, E24						
0	R 820	57.60.1822		8K2	MF, 1%, 0204, E24						
0	R 821	57.60.1273		27K	MF, 1%, 0204, E24						
0	R 822	57.60.1104		100K	MF, 1%, 0204, E24						
0	R 823	57.60.1823		82K	MF, 1%, 0204, E24						
0	R 824	57.60.1822		8K2	MF, 1%, 0204, E24						
0	R 825	57.60.1332		3K3	MF, 1%, 0204, E24						
0	R 826	57.60.1332		3K3	MF, 1%, 0204, E24						
0	R 827	57.60.1151		150R	MF, 1%, 0204, E24						
0	R 828	57.60.1153		15K	MF, 1%, 0204, E24						

End of List

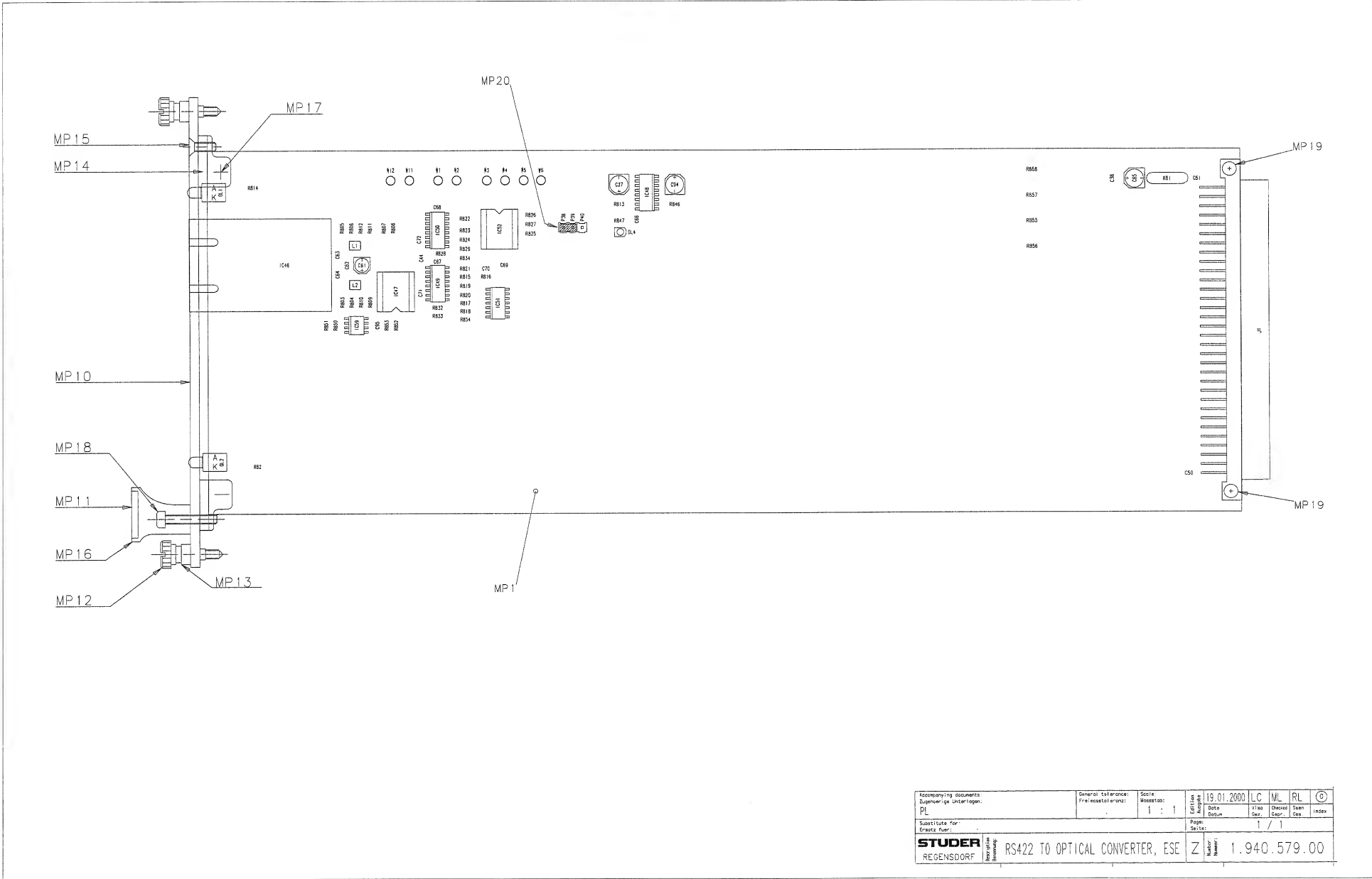
Comments

RS 422 to Optical Converter 1.940.579.00





RS 422 to Optical Converter 1.940.579.00



Accompanying documents Zugehörige Unterlagen: PL	General tolerance: Freigezeichnete Abmaße: 1 : 1	Scale: Maßstab: 1 : 1	Edition: Ausgabe Date: Datum 19.01.2000	LC	ML	RL	⑥
Substitute for: Ersatz für:	Page: Seite: 1 / 1			Via Durchl.	Drilled Bohrung	Seen Geh.	Index
STUDER REGENSDORF	RS422 TO OPTICAL CONVERTER, ESE			Z	1.940.579.00		



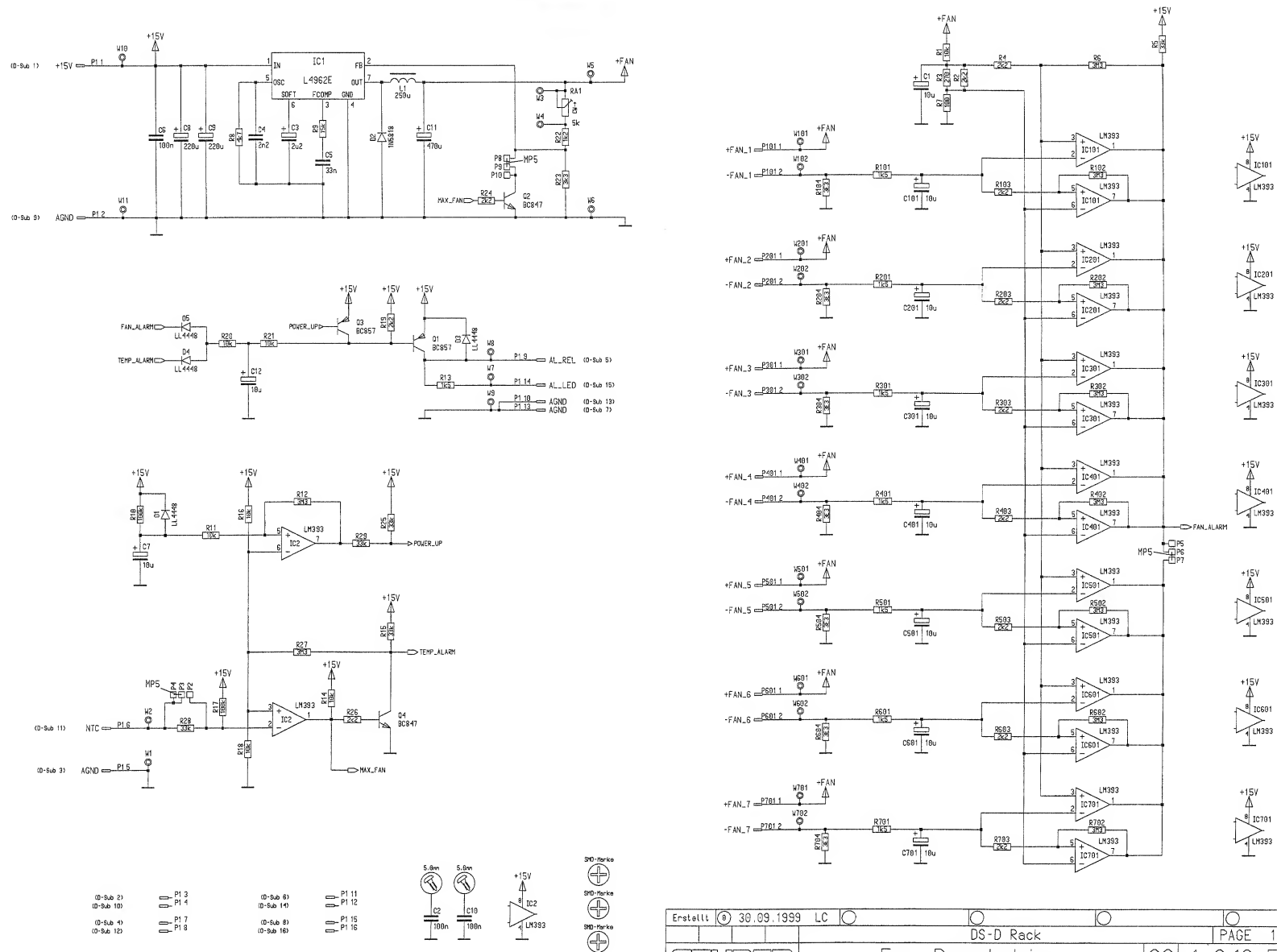
RS 422 to Optical Converter 1.940.579.00

Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 37	59.68.0067		22u	EL 16V, 5.0*5.7	0	MP 18	21.53.0284	1 pce	M2.5*16	Z-Schraube Inbus Zn gb chr
0	C 38	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	MP 19	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9
0	C 44	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	MP 20	54.01.0021	1 pce	Jumper	0.63 * 0.63mm
0	C 50	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	P 38	54.01.0020	1 pcs	1p	Pin 0.63*0.63
0	C 51	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	P 39	54.01.0020	1 pcs	1p	Pin 0.63*0.63
0	C 61	59.68.0065		10u	EL 16V, 4.0*5.7	0	P 40	54.01.0020	1 pcs	1p	Pin 0.63*0.63
0	C 62	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 81	57.92.7053		1.6A	PTC 30V
0	C 63	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 82	57.60.1102		1K	MF, 1%, 0204, E24
0	C 64	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 803	57.60.1271		270R	MF, 1%, 0204, E24
0	C 65	59.68.0067		22u	EL 16V, 5.0*5.7	0	R 804	57.60.1271		270R	MF, 1%, 0204, E24
0	C 66	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 805	57.60.1271		270R	MF, 1%, 0204, E24
0	C 67	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 806	57.60.1271		270R	MF, 1%, 0204, E24
0	C 68	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 807	57.60.1221		220R	MF, 1%, 0204, E24
0	C 69	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 808	57.60.1221		220R	MF, 1%, 0204, E24
0	C 70	59.60.2365		470p	CER 50V, 5%, C0G, 0805	0	R 809	57.60.1181		180R	MF, 1%, 0204, E24
0	C 71	59.60.2249		100p	CER 50V, 5%, C0G, 0603	0	R 810	57.60.1181		180R	MF, 1%, 0204, E24
0	C 72	59.60.2249		100p	CER 50V, 5%, C0G, 0603	0	R 811	57.60.1181		180R	MF, 1%, 0204, E24
0	C 94	59.68.0067		22u	EL 16V, 5.0*5.7	0	R 812	57.60.1181		180R	MF, 1%, 0204, E24
0	C 95	59.60.3337		100n	CER 50V, 10%, X7R, 0805	0	R 813	57.60.1103		10K	MF, 1%, 0204, E24
0	DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN	0	R 814	57.60.1102		1K	MF, 1%, 0204, E24
0	DL 2	50.04.2202		HLMP1790	DL HLMP - 1790 GN	0	R 815	57.60.1000		0R0	MF, 0204
0	DL 4	not used		TLUG 2401	DL TLUG 2401 GN MATT	0	R 816	57.60.1101		100R	MF, 1%, 0204, E24
0	IC 46	89.10.0021		HFBRS105	LWL Transceiver FDDI/MADI	0	R 817	57.60.1106		10M	MF, 1%, 0204, E24
0	IC 47	50.15.0126		75179B	IC SN 75179B P	0	R 818	57.60.1333		33K	MF, 1%, 0204, E24
0	IC 48	50.62.1423		74HC423	Dual multivibr monost retrigg	0	R 819	57.60.1823		82K	MF, 1%, 0204, E24
0	IC 49	50.62.4946		74HCT9046	PLL with bandgap contr VCO	0	R 820	57.60.1822		8K2	MF, 1%, 0204, E24
0	IC 50	50.62.4946		74HCT9046	PLL with bandgap contr VCO	0	R 821	57.60.1273		27K	MF, 1%, 0204, E24
0	IC 51	50.62.1014		74HC 14	Hex Schmitt trigger inverter	0	R 822	57.60.1104		100K	MF, 1%, 0204, E24
0	IC 52	50.15.0126		75179B	IC SN 75179B P	0	R 823	57.60.1823		82K	MF, 1%, 0204, E24
0	IC 59	50.61.9001		LM393	Dual voltage comp. SO 8	0	R 824	57.60.1822		8K2	MF, 1%, 0204, E24
0	J 1	54.11.2009		96p	EU-R 3*32p	0	R 825	57.60.1332		3K3	MF, 1%, 0204, E24
0	L 1	62.60.0101		1.0uH	10%, SMD 1210	0	R 826	57.60.1332		3K3	MF, 1%, 0204, E24
0	L 2	62.60.0101		1.0uH	10%, SMD 1210	0	R 827	57.60.1151		150R	MF, 1%, 0204, E24
0	MP 1	1.940.576.12			Processor Board PCB	0	R 828	57.60.1153		15K	MF, 1%, 0204, E24
0	MP 2	1.940.579.04			Typenschild	0	R 829	57.60.1622		6K2	MF, 1%, 0204, E24
0	MP 3	43.01.0108		Label	ESE-WARNSCHILD	0	R 832	57.60.1223		22K	MF, 1%, 0204, E24
0	MP 10	1.940.576.01	1 pce		FRONTPLATTE RCC	0	R 833	57.60.1223		22K	MF, 1%, 0204, E24
0	MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE	0	R 834	57.60.1103		10K	MF, 1%, 0204, E24
0	MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)	0	R 846	57.60.1103		10K	MF, 1%, 0204, E24
0	MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)	0	R 847	57.60.1102		1K	MF, 1%, 0204, E24
0	MP 14	49.02.0522	2 pcs		Kartenhalter (Rack)	0	R 850	57.60.1271		270R	MF, 1%, 0204, E24
0	MP 15	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp	0	R 851	57.60.1181		180R	MF, 1%, 0204, E24
0	MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff	0	R 852	57.60.1103		10K	MF, 1%, 0204, E24
0	MP 17	21.53.0279	2 pcs	M2.5*6	Z-Schraube Inbus Zn gb chr	0	R 853	57.60.1103		10K	MF, 1%, 0204, E24
						0	R 854	57.60.1102		1K	MF, 1%, 0204, E24
						0	R 855	57.60.1000		0R0	MF, 0204
						0	R 856	57.60.1000		0R0	MF, 0204
						0	R 857	57.60.1000		0R0	MF, 0204
						0	R 858	57.60.1000		0R0	MF, 0204
						0	XDL 1	50.20.2501		Spacer	LED-Sockel
						0	XDL 2	50.20.2501		Spacer	LED-Sockel
						0	XIC 52	53.03.0166		8p	DIL 0.3", löt, gerade

End of List

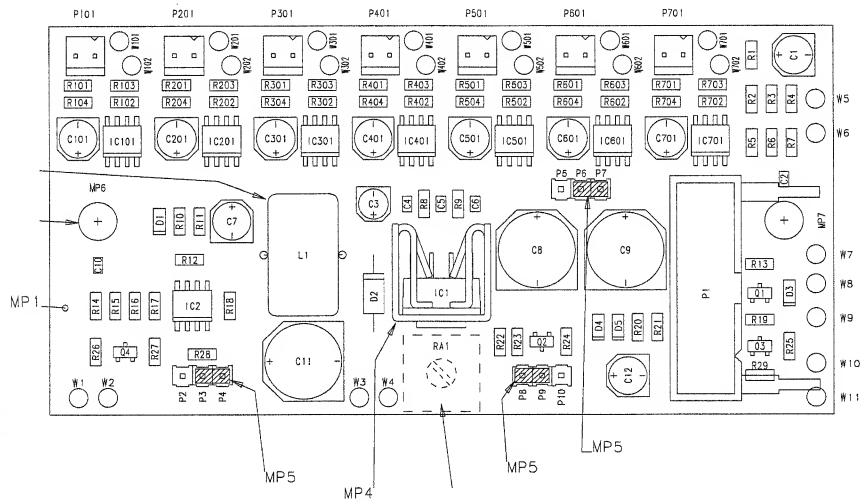
Comments

Fan Regulation 1.940.596.81



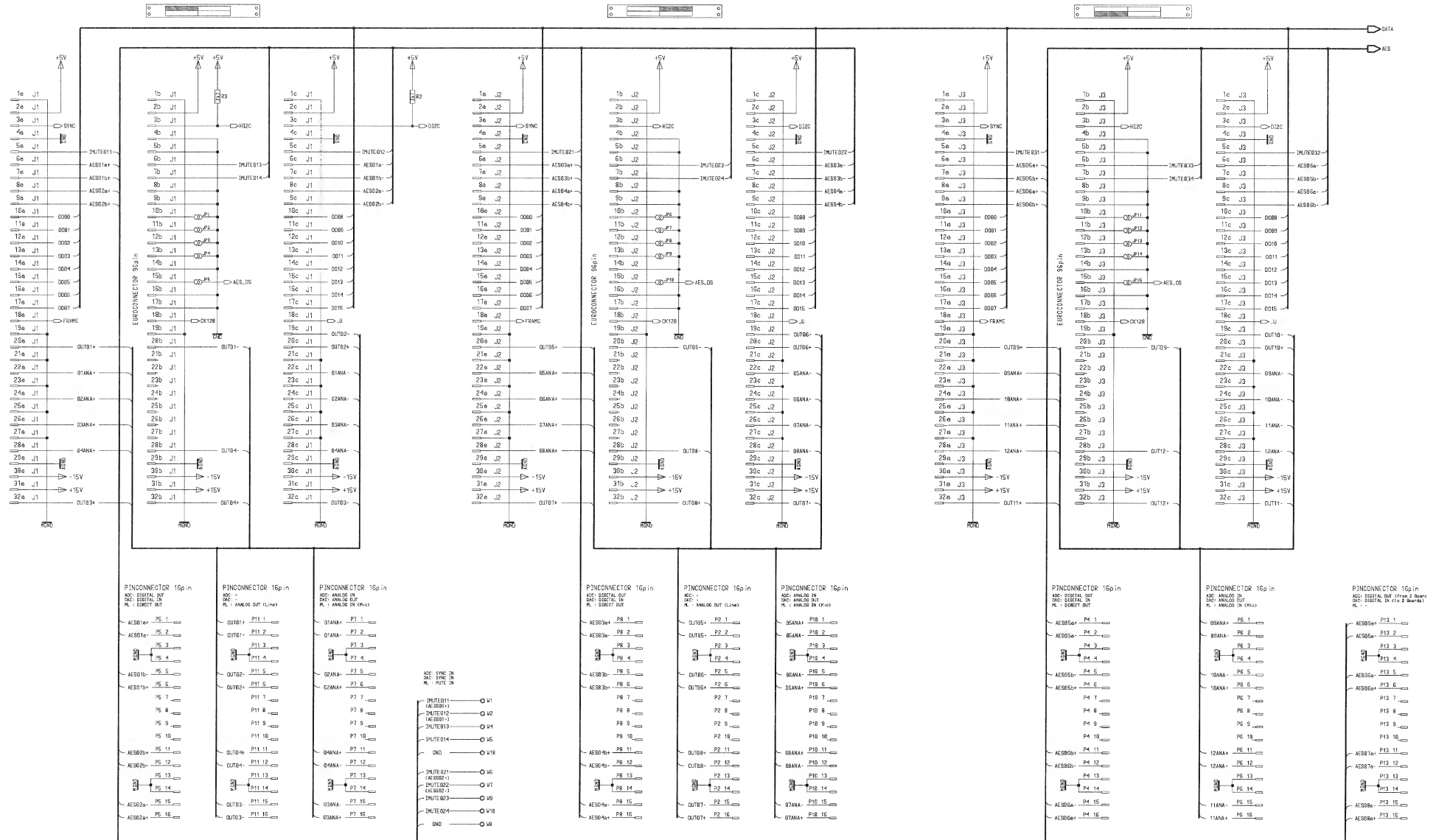


Fan Regulation 1.940.596.81

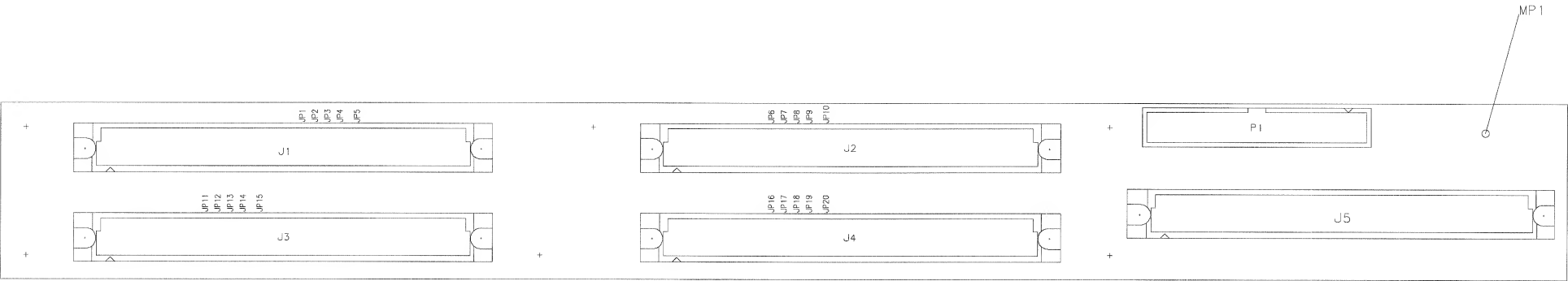


Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	56.68.0109	10u		C-EL 35V, 5.0*5.7	0	R 18	57.60.1103	10K		MF, 1%, 0204, E24
0	C 2	56.60.3337	100n		CER 50V, 10%, X7R, 0805	0	R 19	57.60.1222	2K2		MF, 1%, 0204, E24
0	C 3	56.68.0129	2u2		C-EL 50V, 4.0*5.7	0	R 20	57.60.1103	10K		MF, 1%, 0204, E24
0	C 4	56.60.3317	2n2		CER 50V, 10%, X7R, 0805	0	R 21	57.60.1103	10K		MF, 1%, 0204, E24
0	C 5	56.60.3331	33n		CER 50V, 10%, X7R, 0805	0	R 22	57.60.1152	1K5		MF, 1%, 0204, E24
0	C 6	56.60.3337	100n		CER 50V, 10%, X7R, 0805	0	R 23	57.60.1472	4K7		MF, 1%, 0204, E24
0	C 7	56.68.0109	10u		C-EL 35V, 5.0*5.7	0	R 24	57.60.1222	2K2		MF, 1%, 0204, E24
0	C 8	56.68.0117	220u		C-EL 35V, 10*10.7	0	R 25	57.60.1333	33K		MF, 1%, 0204, E24
0	C 9	56.68.0117	220u		C-EL 35V, 10*10.7	0	R 26	57.60.1222	2K2		MF, 1%, 0204, E24
0	C 10	56.60.3337	100n		CER 50V, 10%, X7R, 0805	0	R 27	57.60.1335	3M3		MF, 1%, 0204, E24
0	C 11	56.68.0075	470u		C-EL 15V, 10*10.7	0	R 28	57.60.1333	33K		MF, 1%, 0204, E24
0	C 12	56.68.0109	10u		C-EL 35V, 5.0*5.7	0	R 29	57.60.1333	33K		MF, 1%, 0204, E24
0	C 101	56.68.0109	10u		C-EL 35V, 5.0*5.7	0	R 101	57.60.1152	1K5		MF, 1%, 0204, E24
0	C 201	56.68.0109	10u		C-EL 35V, 5.0*5.7	0	R 102	57.60.1335	3M3		MF, 1%, 0204, E24
0	C 301	56.68.0109	10u		C-EL 35V, 5.0*5.7	0	R 103	57.60.1222	2K2		MF, 1%, 0204, E24
0	C 401	56.68.0109	10u		C-EL 35V, 5.0*5.7	0	R 104	57.60.1339	3R3		MF, 1%, 0204, E24
0	C 501	56.68.0109	10u		C-EL 35V, 5.0*5.7	0	R 201	57.60.1152	1K5		MF, 1%, 0204, E24
0	C 601	56.68.0109	10u		C-EL 35V, 5.0*5.7	0	R 202	57.60.1335	3M3		MF, 1%, 0204, E24
0	C 701	56.68.0109	10u		C-EL 35V, 5.0*5.7	0	R 203	57.60.1222	2K2		MF, 1%, 0204, E24
0	D 1	50.60.8001	4448		200mA 75V 4ns SOD 80	0	R 204	57.60.1339	3R3		MF, 1%, 0204, E24
0	D 2	50.04.0512	1N5818		D 1N 5818, 1N 5818	0	R 301	57.60.1152	1K5		MF, 1%, 0204, E24
0	D 3	50.60.8001	4448		200mA 75V 4ns SOD 80	0	R 302	57.60.1335	3M3		MF, 1%, 0204, E24
0	D 4	50.60.8001	4448		200mA 75V 4ns SOD 80	0	R 303	57.60.1222	2K2		MF, 1%, 0204, E24
0	D 5	50.60.8001	4448		200mA 75V 4ns SOD 80	0	R 304	57.60.1339	3R3		MF, 1%, 0204, E24
0	IC 1	50.10.0118	14982		IC L 4982 E	0	R 401	57.60.1152	1K5		MF, 1%, 0204, E24
0	IC 2	50.61.9001	LM393		Dual voltage comp. SO 8	0	R 402	57.60.1335	3M3		MF, 1%, 0204, E24
0	IC 101	50.61.9001	LM393		Dual voltage comp. SO 8	0	R 403	57.60.1222	2K2		MF, 1%, 0204, E24
0	IC 201	50.61.9001	LM393		Dual voltage comp. SO 8	0	R 404	57.60.1339	3R3		MF, 1%, 0204, E24
0	IC 301	50.61.9001	LM393		Dual voltage comp. SO 8	0	R 501	57.60.1152	1K5		MF, 1%, 0204, E24
0	IC 401	50.61.9001	LM393		Dual voltage comp. SO 8	0	R 502	57.60.1335	3M3		MF, 1%, 0204, E24
0	IC 501	50.61.9001	LM393		Dual voltage comp. SO 8	0	R 503	57.60.1222	2K2		MF, 1%, 0204, E24
0	IC 601	50.61.9001	LM393		Dual voltage comp. SO 8	0	R 504	57.60.1339	3R3		MF, 1%, 0204, E24
0	IC 701	50.61.9001	LM393		Dual voltage comp. SO 8	0	R 601	57.60.1152	1K5		MF, 1%, 0204, E24
0	L 1	62.03.0005	250uH		1A Toroid Choke	0	R 602	57.60.1335	3M3		MF, 1%, 0204, E24
0	MP 1	1.940.596.12			Fan Regulation PCB	0	R 603	57.60.1222	2K2		MF, 1%, 0204, E24
0	MP 2	1.940.596.10			Nr. Etikette	0	R 604	57.60.1339	3R3		MF, 1%, 0204, E24
0	MP 3	43.01.0108			ESE-WARNCHILD	0	R 701	57.60.1152	1K5		MF, 1%, 0204, E24
0	MP 4	50.20.3011			Kühlkörper, TO 220, vertikal	0	R 702	57.60.1335	3M3		MF, 1%, 0204, E24
0	MP 5	54.01.0021	3 pos	Jumper	0.83 * 0.63mm	0	R 703	57.60.1222	2K2		MF, 1%, 0204, E24
0	MP 6	1.010.016.22			NIETMUTTER SW 6 M 3 * 5	0	R 704	57.60.1339	3R3		MF, 1%, 0204, E24
0	MP 7	1.010.016.22			NIETMUTTER SW 6 M 3 * 5	0	RA 1	58.01.8502	5k		Cermet, 10%, 0.5W, horizontal
0	P 1	54.14.2102	16p		P STECKER 16 P, AU, VR, GERADE	End of List					
0	P 2	54.01.0020	1p		Pin 0.63*0.63	Comments					
0	P 3	54.01.0020	1p		Pin 0.63*0.63						
0	P 4	54.01.0020	1p		Pin 0.63*0.63						
0	P 5	54.01.0020	1p		Pin 0.63*0.63						
0	P 6	54.01.0020	1p		Pin 0.63*0.63						
0	P 7	54.01.0020	1p		Pin 0.63*0.63						
0	P 8	54.01.0020	1p		Pin 0.63*0.63						
0	P 9	54.01.0020	1p		Pin 0.63*0.63						
0	P 10	54.01.0020	1p		Pin 0.63*0.63						
0	P 101	54.12.0702	2p		Stecker gerade PCB						
0	P 201	54.12.0702	2p		Stecker gerade PCB						
0	P 301	54.12.0702	2p		Stecker gerade PCB						
0	P 401	54.12.0702	2p		Stecker gerade PCB						
0	P 501	54.12.0702	2p		Stecker gerade PCB						
0	P 601	54.12.0702	2p		Stecker gerade PCB						
0	P 701	54.12.0702	2p		Stecker gerade PCB						
0	Q 1	50.60.1001	BC857B		PNP 45V 100mA SOT 23						
0	Q 2	50.60.0001	BC847B		NPN 45V 100mA SOT 23						
0	Q 3	50.60.1001	BC857B		PNP 45V 100mA SOT 23						
0	Q 4	50.60.0001	BC847B		NPN 45V 100mA SOT 23						
0	R 1	57.60.1103	10K		MF, 1%, 0204, E24						
0	R 2	57.60.1222	2K2		MF, 1%, 0204, E24						
0	R 3	57.60.1271	270R		MF, 1%, 0204, E24						
0	R 4	57.60.1222	2K2		MF, 1%, 0204, E24						
0	R 5	57.60.1333	33K		MF, 1%, 0204, E24						
0	R 6	57.60.1335	3M3		MF, 1%, 0204, E24						
0	R 7	57.60.1101	100R		MF, 1%, 0204, E24						
0	R 8	57.60.1472	4K7		MF, 1%, 0204, E24						
0	R 9	57.60.1153	15K		MF, 1%, 0204, E24						
0	R 10	57.60.1104	100K		MF, 1%, 0204, E24						
0	R 11	57.60.1103	10K		MF, 1%, 0204, E24						
0	R 12	57.60.1335	3M3		MF, 1%, 0204, E24						
0	R 13	57.60.1152	1K5		MF, 1%, 0204, E24						
0	R 14	57.60.1103	10K		MF, 1%, 0204, E24						
0	R 15	57.60.1333	33K		MF, 1%, 0204, E24						
0	R 16	57.60.1103	10K		MF, 1%, 0204, E24						
0	R 17	57.60.1104	100K		MF, 1%, 0204, E24						

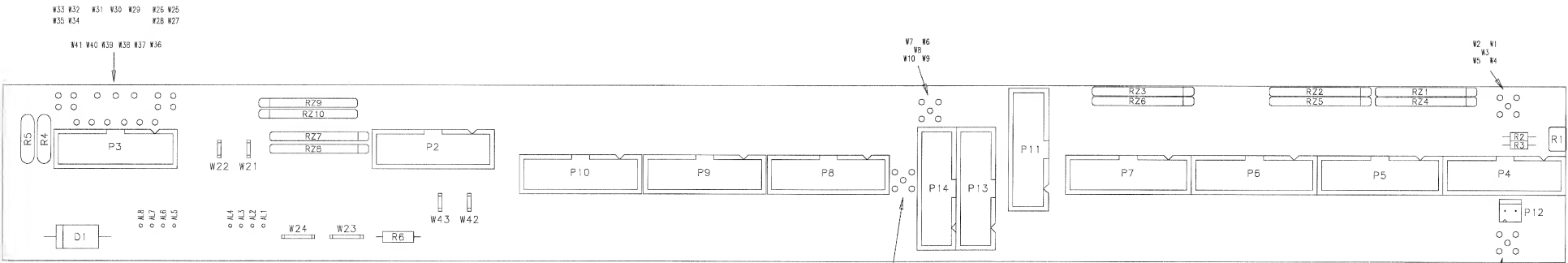
Back Plane 1U 1.940.553.00 (0)



Back Plane 1U 1.940.553.00 (0)



Component side



Solder side

Accompanying documents: Zugehörige Unterlagen: PL		General tolerance: Freimasstoleranz:	Scale: Maßstab:	Edition Ausgabe Date Datum	03.04.2000	LC	ML	RL	⓪	
Substitute for: Ersatz fuer:					Visa Gez.	Checked Gepr.	Seen Ges.	Index		
Page: Seite:					1 / 1					
STUDER REGENSDORF		Description: Benennung: BACK PLANE 1HE			Number: Number:	1.940.553.00				

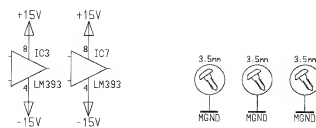
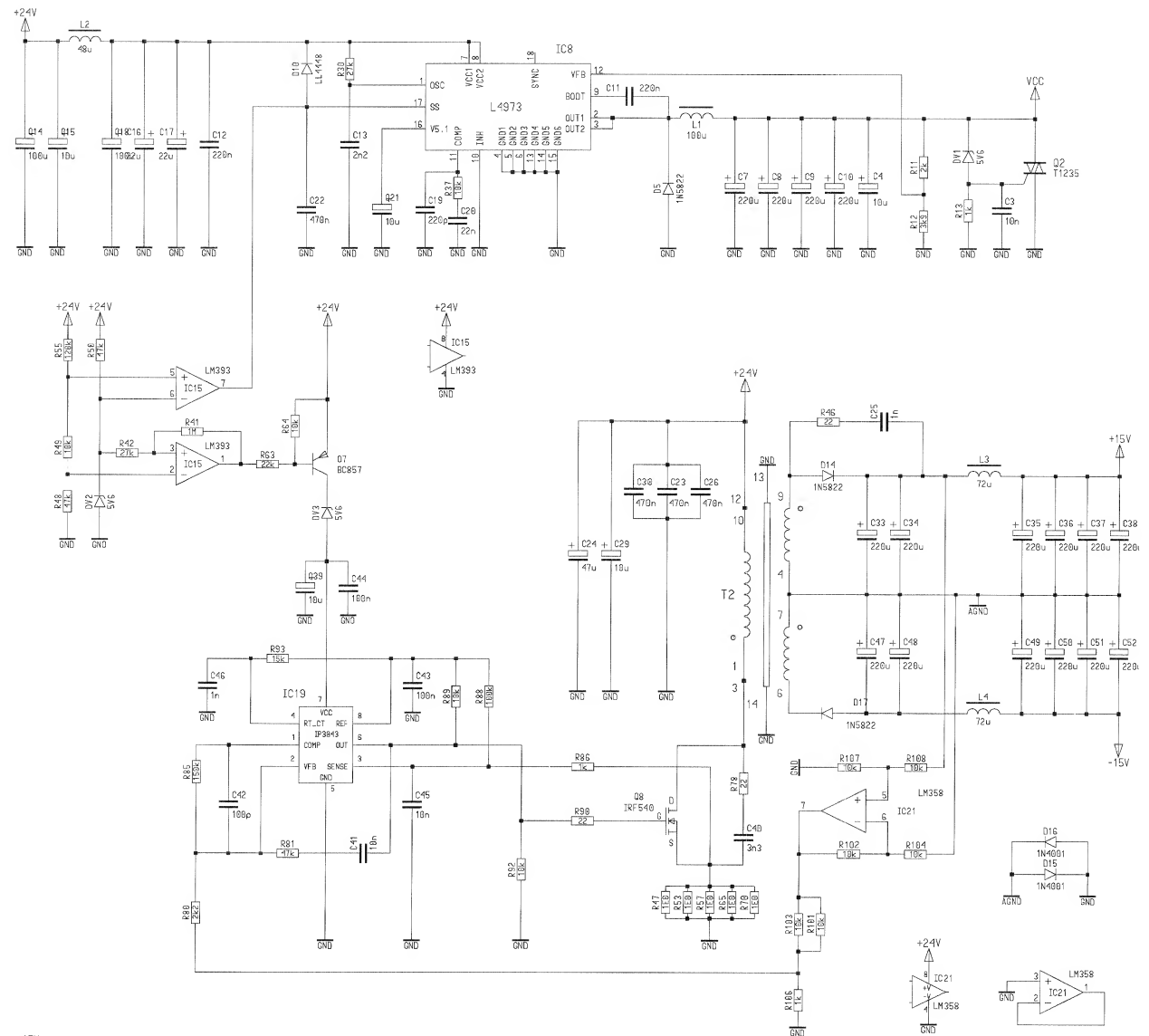
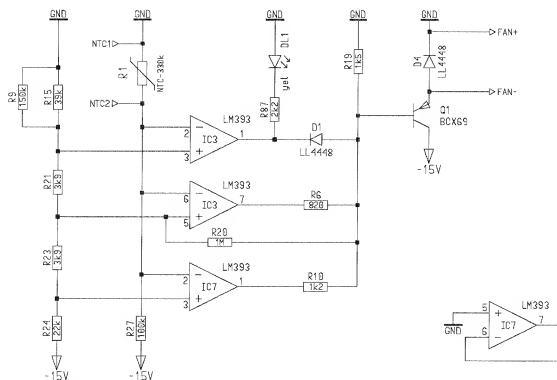
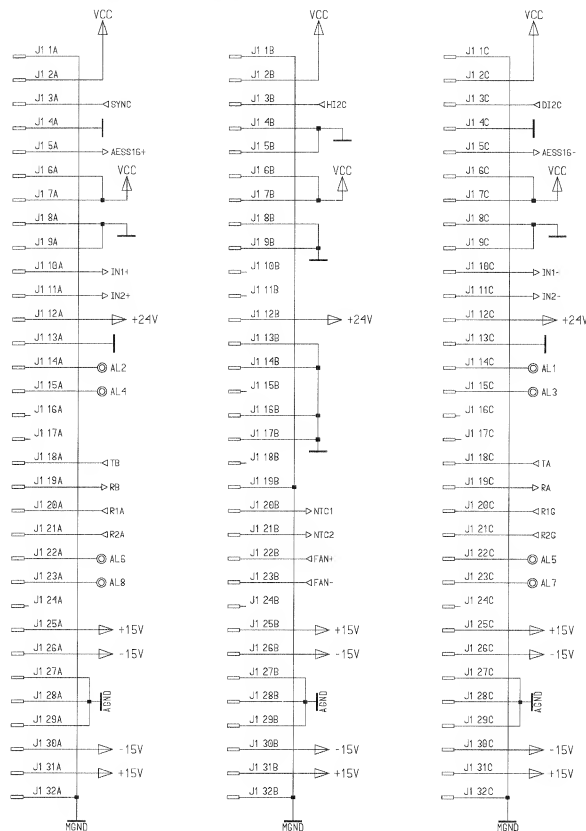
Back Plane 1U 1.940.553.00 (0)

Page: 1 of 1

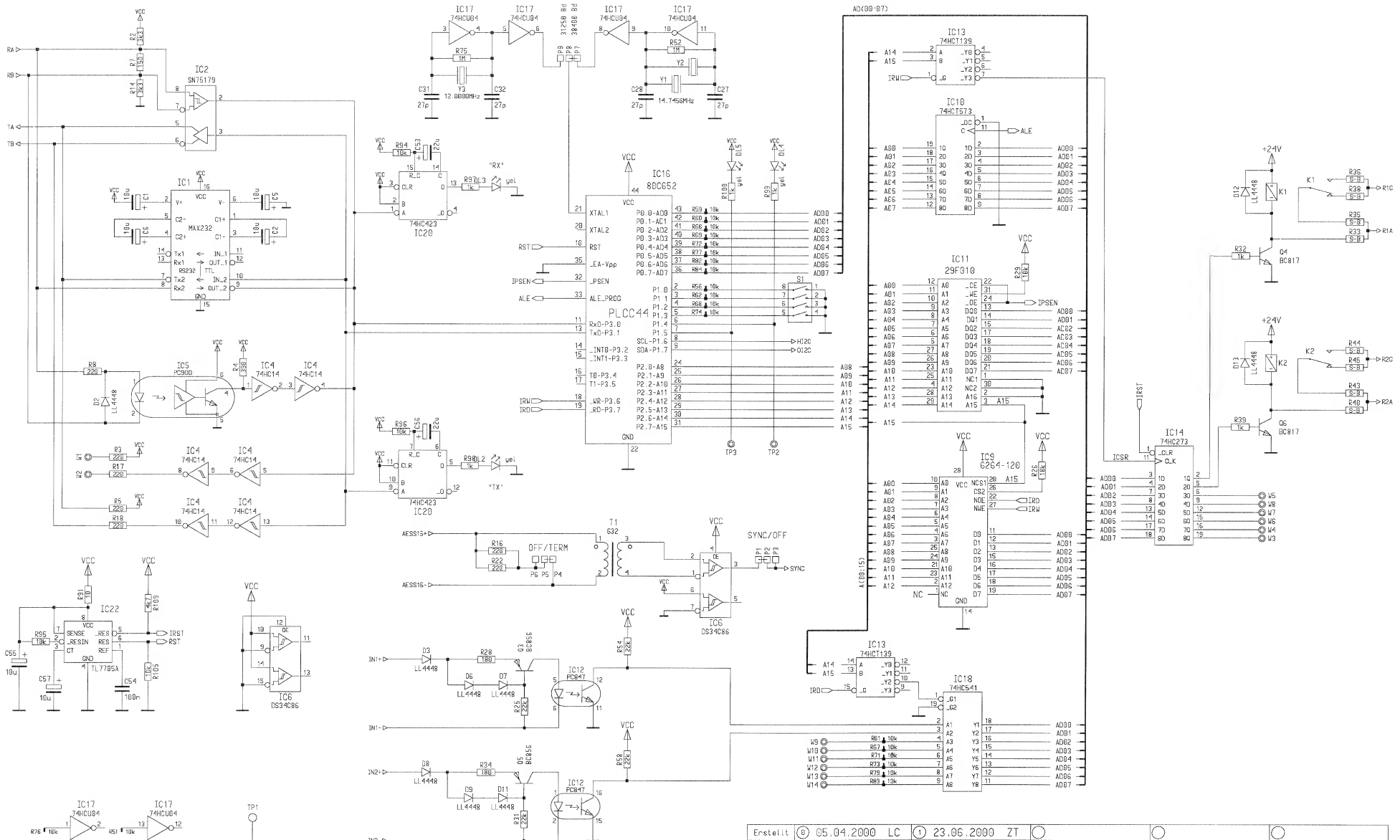
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0 J 1	1.940.550.01			MESSERLEISTE 96 pol DIN 41612
0 J 2	1.940.550.01			MESSERLEISTE 96 pol DIN 41612
0 J 3	1.940.550.01			MESSERLEISTE 96 pol DIN 41612
0 J 4	1.940.550.01			MESSERLEISTE 96 pol DIN 41612
0 J 5	1.940.550.01			MESSERLEISTE 96 pol DIN 41612
0 MP 1	1.940.553.11	mp		BACK PLANE 1HE PCB
0 MP 2	1.940.553.04	mp		NR. ETIKETTE 5 * 20
0 P 1	not used		34p	1/20" Au, gerade, ohne Verrieg
0 P 2	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 3	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 4	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 5	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 6	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 7	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 8	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 9	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 10	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 11	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 12	54.12.0702		2p	Stecker gerade PCB
0 P 13	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 P 14	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg
0 R 1	57.99.0801		330k	NTC, 5%
0 R 2	57.10.1272		2k7	MF, 1%, 0204
0 R 3	57.10.1272		2k7	MF, 1%, 0204
0 R 4	57.92.7053		1.6A	PTC 30V
0 R 5	57.92.7053		1.6A	PTC 30V
0 R 6	57.11.3000		0R0	MF, 0207
0 RZ 1	57.88.4471		470R	8*R Resistor-Netw 2% SIP9
0 RZ 2	57.88.4471		470R	8*R Resistor-Netw 2% SIP9
0 RZ 3	57.88.4471		470R	8*R Resistor-Netw 2% SIP9
0 RZ 4	57.88.4681		680R	8*R Resistor-Netw 2% SIP9
0 RZ 5	57.88.4681		680R	8*R Resistor-Netw 2% SIP9
0 RZ 6	57.88.4681		680R	8*R Resistor-Netw 2% SIP9
0 RZ 7	not used		470R	8*R Resistor-Netw 2% SIP9
0 RZ 8	not used		470R	8*R Resistor-Netw 2% SIP9
0 RZ 9	not used		680R	8*R Resistor-Netw 2% SIP9
0 RZ 10	not used		680R	8*R Resistor-Netw 2% SIP9
0 W 21	54.02.0320		1p	PCB-Flachst 2.8*0.8, gerade
0 W 22	54.02.0320		1p	PCB-Flachst 2.8*0.8, gerade
0 W 23	54.02.0335		1p	PCB-Flachst 6.3*0.8, gerade
0 W 24	54.02.0335		1p	PCB-Flachst 6.3*0.8, gerade
0 W 42	54.02.0320		1p	PCB-Flachst 2.8*0.8, gerade
0 W 43	54.02.0320		1p	PCB-Flachst 2.8*0.8, gerade

End of List

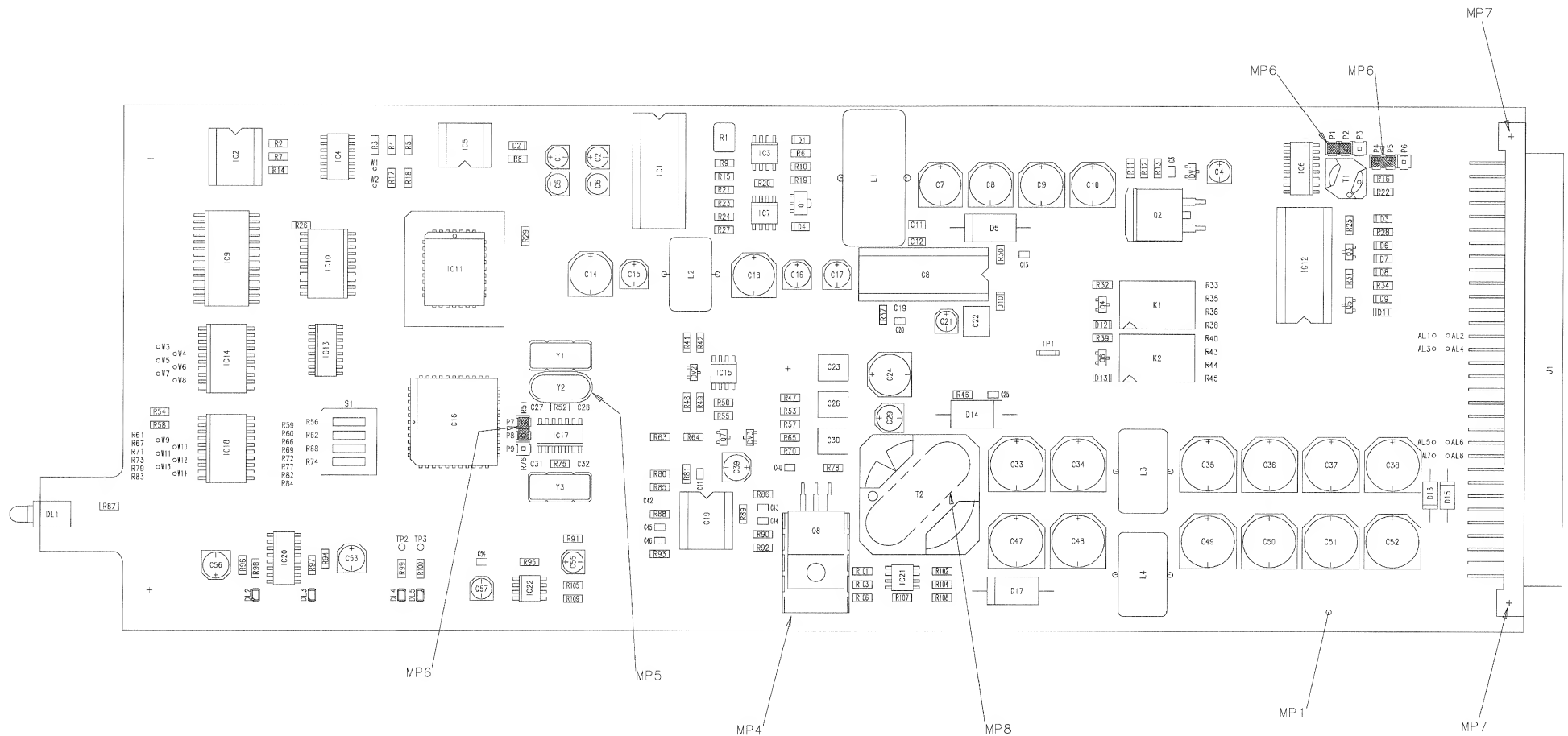
Supply Board 1.940.578.20 (1)



Supply Board 1.940.578.20 (1)



Supply Board 1.940.578.20 (1)



Accompanying documents: Zugehörige Unterlagen: PL, BV640		General tolerance: Freimasstoleranz:	Scale Massstab:	Edition Ausgabe 23.06.2000	LC	ML	RL	①
Substitute for: Ersatz fuer:		1.940.578.20 Index 0		Date Datum	Visa Gez.	Checked Gepr.	Seen Ges.	Index
STUDER REGENSDORF				Page: Seite:		1 / 1		
Drawing: Zeichnung: SUPPLY BOARD, ESE				Number: Number:		1.940.578.20		

Supply Board 1.940.578.20 (1)

Page: 1 of 2

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 2	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 3	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 4	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7
0 C 5	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 6	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 7	59.68.0073	1 pce	220u	EL 16V, 8.0*10.7
0 C 8	59.68.0073	1 pce	220u	EL 16V, 8.0*10.7
0 C 9	59.68.0073	1 pce	220u	EL 16V, 8.0*10.7
0 C 10	59.68.0073	1 pce	220u	EL 16V, 8.0*10.7
0 C 11	59.60.3441	1 pce	220n	CER 50V, 10%, X7R, 1206
0 C 12	59.60.3441	1 pce	220n	CER 50V, 10%, X7R, 1206
0 C 13	59.60.3317	1 pce	2n2	CER 50V, 10%, X7R, 0805
0 C 14	59.68.0115	1 pce	100u	EL 35V, 8.0*10.7
0 C 15	59.68.0109	1 pce	10u	EL 35V, 5.0*5.7
0 C 16	59.68.0067	1 pce	22u	EL 16V, 5.0*5.7
0 C 17	59.68.0067	1 pce	22u	EL 16V, 5.0*5.7
0 C 18	59.68.0115	1 pce	100u	EL 35V, 8.0*10.7
0 C 19	59.60.2257	1 pce	220p	CER 50V, 5%, C0G, 0603
0 C 20	59.60.3329	1 pce	22n	CER 50V, 10%, X7R, 0805
0 C 21	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7
0 C 22	59.60.3845	1 pce	470n	CER 50V, 10%, X7R, 2220
1 C 23	59.63.0133	1 pce	470n	PEN 50V, 5%, 2220
0 C 24	59.68.0113	1 pce	47u	EL 35V, 8.0*6.3
0 C 25	59.60.2373	1 pce	1n0	CER 50V, 5%, C0G, 0805
1 C 26	59.63.0133	1 pce	470n	PEN 50V, 5%, 2220
0 C 27	59.60.2235	1 pce	27p	CER 50V, 5%, C0G, 0603
0 C 28	59.60.2235	1 pce	27p	CER 50V, 5%, C0G, 0603
0 C 29	59.68.0109	1 pce	10u	EL 35V, 5.0*5.7
1 C 30	59.63.0133	1 pce	470n	PEN 50V, 5%, 2220
0 C 31	59.60.2235	1 pce	27p	CER 50V, 5%, C0G, 0603
0 C 32	59.60.2235	1 pce	27p	CER 50V, 5%, C0G, 0603
0 C 33	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 34	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 35	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 36	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 37	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 38	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 39	59.68.0109	1 pce	10u	EL 35V, 5.0*5.7
0 C 40	59.60.3319	1 pce	3n3	CER 50V, 10%, X7R, 0805
0 C 41	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 42	59.60.2249	1 pce	100p	CER 50V, 5%, C0G, 0603
0 C 43	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 44	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 45	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 46	59.60.2373	1 pce	1n0	CER 50V, 5%, C0G, 0805
0 C 47	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 48	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 49	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 50	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 51	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 52	59.68.0117	1 pce	220u	EL 35V, 10 *10.7
0 C 53	not used	1 pce	22u	EL 16V, 5.0*5.7
0 C 54	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 55	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7
0 C 56	not used	1 pce	22u	EL 16V, 5.0*5.7
0 C 57	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7
0 D 1	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 2	not used	1 pce	4448	200mA 75V 4ns SOD 80
0 D 3	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 4	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 5	50.04.0519	1 pce	1N5822	3A, Schottky
0 D 6	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 7	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 8	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 9	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 10	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 11	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 12	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 13	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 14	50.04.0519	1 pce	1N5822	3A, Schottky
0 D 15	50.04.0122	1 pce	1N4001	1A, DO 41
0 D 16	50.04.0122	1 pce	1N4001	1A, DO 41
0 D 17	50.04.0519	1 pce	1N5822	3A, Schottky
0 DL 1	50.04.2752	1 pce	yel	LED mit Halter
0 DL 2	not used	1 pce	yel	SMD LED yellow
0 DL 3	not used	1 pce	yel	SMD LED yellow
0 DL 4	not used	1 pce	yel	SMD LED yellow
0 DL 5	not used	1 pce	yel	SMD LED yellow
0 DV 1	50.60.9011	1 pce	5V6	5%, 0.2W, SOT 23
0 DV 2	50.60.9011	1 pce	5V6	5%, 0.2W, SOT 23
0 DV 3	50.60.9011	1 pce	5V6	5%, 0.2W, SOT 23
0 IC 1	not used	1 pce	MAX232	IC MAX 232 CPE
0 IC 2	50.15.0126	1 pce	75179B	IC SN 75179B P
0 IC 3	50.61.9001	1 pce	LM393	Dual voltage comp. SO 8
0 IC 4	not used	1 pce	74HC 14	Hex Schmitt trigger inverter
0 IC 5	not used	1 pce	PC900V	DLQ PC 900 V

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 IC 6	50.62.0463	1 pce	DS34C86	4*RS 422 Line Receiver
0 IC 7	50.61.9001	1 pce	LM393	Dual voltage comp. SO 8
0 IC 8	50.10.0127	1 pce	4973V3.3	Switching Reg 3.3V 3.5A
0 IC 9	50.63.1502	1 pce	6264	SRAM 8K*8, 120ns
0 IC 10	50.62.3573	1 pce	74HCT573	Octal D-type latch
0 IC 11	1.940.982.21	1 pce		SW 576 Control (50.63.1303)
0 IC 12	50.04.2138	1 pce	PC847	DLQ PC-847 , EE-CM 4
0 IC 13	50.62.3139	1 pce	74HCT139	Dual 2 to 4 line decoder
0 IC 14	50.62.1273	1 pce	74HC273	Octal D-FF with reset
0 IC 15	50.61.9001	1 pce	LM393	Dual voltage comp. SO 8
0 IC 16	50.63.0009	1 pce	80C652	MPU 8bit
0 IC 17	50.62.1904	1 pce	74HCU04	Hex inverter unbuffered
0 IC 18	50.62.1541	1 pce	74HC541	Octal buffer line driver/receiv
0 IC 19	50.10.0113	1 pce	3843	IC IP 3843 N
0 IC 20	not used	1 pce	74HC423	Dual multivibr monost retrigg
0 IC 21	50.61.0202	1 pce	LM358	Op-Amp single supply
0 IC 22	50.63.2001	1 pce	7705B	Reset Generator
0 J 1	54.11.2009	1 pce	96p	EU-R 3*32p
0 K 1	not used	1 pce	2*u	24V 125V 2A Ag/Au
0 K 2	not used	1 pce	2*u	24V 125V 2A Ag/Au
0 L 1	62.03.0040	1 pce	100uH	5A Toroid Chocke
0 L 2	62.03.0010	1 pce	48uH	2A Toroid Chocke
0 L 3	62.03.0015	1 pce	72uH	2A Toroid Chocke
0 L 4	62.03.0015	1 pce	72uH	2A Toroid Chocke
0 MP 1	1.940.578.11	1 pce		Supply Board PCB
0 MP 2	1.940.578.04	1 pce		NR. ETIKETTE 5 * 20
0 MP 3	43.01.0108	1 pce	Label	ESE-WARNCHILD
0 MP 4	50.20.3004	1 pce		Kühlkörper, TO 220, horizontal
0 MP 5	not used	1 pce		QUARZ - ISOLIERPLATTE
0 MP 6	54.01.0021	3 pcs	Jumper	0.63*0.63mm, Au
0 MP 7	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9
1 MP 8	1.010.005.61	1 pce		UNTERLAGE ZU RM 10
0 P 1	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade
0 P 2	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade
0 P 3	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade
0 P 4	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade
0 P 5	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade
0 P 6	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade
0 P 7	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade
0 P 8	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade
0 P 9	54.01.0020	1 pce	1p	Pin, 1reihiig, gerade
0 Q 1	50.60.1100	1 pce	BCX69-25	PNP 45V 1.0A SOT 89
0 Q 2	50.60.7001	1 pce	BT138B	Triac 8A, 600V, SOT 404
0 Q 3	50.60.1003	1 pce	BC856B	PNP 65V 100mA SOT 23
0 Q 4	50.60.0050	1 pce	BC817-25	NPN 45V 800mA SOT 23
0 Q 5	50.60.1003	1 pce	BC856B	PNP 65V 100mA SOT 23
0 Q 6	50.60.0050	1 pce	BC817-25	NPN 45V 800mA SOT 23
0 Q 7	50.60.1001	1 pce	BC857B	PNP 45V 100mA SOT 23
0 Q 8	50.03.1509	1 pce	IRF540	N-V MOS-FET 100V, 27A
0 R 1	not used	1 pce	330k	NTC, 5%
0 R 2	57.60.1332	1 pce	3k3	MF, 1%, 0204, E24
0 R 3	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 4	not used	1 pce	390R	MF, 1%, 0204, E24
0 R 5	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 6	57.60.1821	1 pce	820R	MF, 1%, 0204, E24
0 R 7	57.60.1151	1 pce	150R	MF, 1%, 0204, E24
0 R 8	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 9	57.60.1154	1 pce	150k	MF, 1%, 0204, E24
0 R 10	57.60.1122	1 pce	1k2	MF, 1%, 0204, E24
0 R 11	57.60.1202	1 pce	2k0	MF, 1%, 0204, E24
0 R 12	57.60.1392	1 pce	3k9	MF, 1%, 0204, E24
0 R 13	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 R 14	57.60.1332	1 pce	3k3	MF, 1%, 0204, E24
0 R 15	57.60.1393	1 pce	39k	MF, 1%, 0204, E24
0 R 16	57.60.1221	1 pce	220R	MF, 1%, 0204, E24
0 R 17	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 18	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 19	57.60.1152	1 pce	1k5	MF, 1%, 0204, E24
0 R 20	57.60.1105	1 pce	1M	MF, 1%, 0204, E24
0 R 21	57.60.1392	1 pce	3k9	MF, 1%, 0204, E24
0 R 22	57.60.1221	1 pce	220R	MF, 1%, 0204, E24
0 R 23	57.60.1392	1 pce	3k9	MF, 1%, 0204, E24
0 R 24	57.60.1223	1 pce	22k	MF, 1%, 0204, E24
0 R 25	57.60.1223	1 pce	22k	MF, 1%, 0204, E24
0 R 26	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 27	57.60.1104	1 pce	100k	MF, 1%, 0204, E24
0 R 28	57.60.1181	1 pce	180R	MF, 1%, 0204, E24
0 R 29	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 30	57.60.1273	1 pce	27k	MF, 1%, 0204, E24
0 R 31	57.60.1223	1 pce	22k	MF, 1%, 0204, E24
0 R 32	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 R 33	57.60.1000	1 pce	0R0	MF, 0204
0 R 34	57.60.1181	1 pce	180R	MF, 1%, 0204, E24
0 R 37	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 39	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 R 40	57.60.1000	1 pce	0R0	MF, 0204
0 R 41	57.60.1105	1 pce	1M	MF, 1%, 0204, E24

Supply Board 1.940.578.20 (1)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 42	57.60.1273	1 pce	27k	MF, 1%, 0204, E24
0 R 46	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 47	57.60.1109	1 pce	1R	MF, 1%, 0204, E24
0 R 48	57.60.1473	1 pce	47k	MF, 1%, 0204, E24
0 R 49	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 50	57.60.1473	1 pce	47k	MF, 1%, 0204, E24
0 R 51	57.69.1097	1 pce	10k	CF 5% 0603
0 R 52	57.60.1105	1 pce	1M	MF, 1%, 0204, E24
0 R 53	57.60.1109	1 pce	1R	MF, 1%, 0204, E24
0 R 54	57.60.1223	1 pce	22k	MF, 1%, 0204, E24
0 R 55	57.60.1124	1 pce	120k	MF, 1%, 0204, E24
0 R 56	57.69.1097	1 pce	10k	CF 5% 0603
0 R 57	57.60.1109	1 pce	1R	MF, 1%, 0204, E24
0 R 58	57.60.1223	1 pce	22k	MF, 1%, 0204, E24
0 R 59	57.69.1097	1 pce	10k	CF 5% 0603
0 R 60	57.69.1097	1 pce	10k	CF 5% 0603
0 R 61	57.69.1097	1 pce	10k	CF 5% 0603
0 R 62	57.69.1097	1 pce	10k	CF 5% 0603
0 R 63	57.60.1223	1 pce	22k	MF, 1%, 0204, E24
0 R 64	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 65	57.60.1109	1 pce	1R	MF, 1%, 0204, E24
0 R 66	57.69.1097	1 pce	10k	CF 5% 0603
0 R 67	57.69.1097	1 pce	10k	CF 5% 0603
0 R 68	57.69.1097	1 pce	10k	CF 5% 0603
0 R 69	57.69.1097	1 pce	10k	CF 5% 0603
0 R 70	57.60.1109	1 pce	1R	MF, 1%, 0204, E24
0 R 71	57.69.1097	1 pce	10k	CF 5% 0603
0 R 72	57.69.1097	1 pce	10k	CF 5% 0603
0 R 73	57.69.1097	1 pce	10k	CF 5% 0603
0 R 74	57.69.1097	1 pce	10k	CF 5% 0603
0 R 75	57.60.1105	1 pce	1M	MF, 1%, 0204, E24
0 R 76	57.69.1097	1 pce	10k	CF 5% 0603
0 R 77	57.69.1097	1 pce	10k	CF 5% 0603
0 R 78	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 79	57.69.1097	1 pce	10k	CF 5% 0603
0 R 80	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 R 81	not used	1 pce	47k	MF, 1%, 0204, E24
0 R 82	57.69.1097	1 pce	10k	CF 5% 0603
0 R 83	57.69.1097	1 pce	10k	CF 5% 0603
0 R 84	57.69.1097	1 pce	10k	CF 5% 0603
0 R 85	57.60.1154	1 pce	150k	MF, 1%, 0204, E24
0 R 86	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 R 87	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 R 88	57.60.1104	1 pce	100k	MF, 1%, 0204, E24
0 R 89	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 90	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 91	57.60.1100	1 pce	10R	MF, 1%, 0204, E24
0 R 92	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 93	57.60.1153	1 pce	15k	MF, 1%, 0204, E24
0 R 94	not used	1 pce	10k	MF, 1%, 0204, E24
0 R 95	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 96	not used	1 pce	10k	MF, 1%, 0204, E24
0 R 97	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 98	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 99	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 100	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 101	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 102	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 103	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 104	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 105	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 106	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 R 107	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 108	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 109	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24
0 S 1	55.01.0164	1 pce	4*a	DIL-Switch, PCB
0 T 1	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER
0 T 2	1.022.654.00	1 pce		TRAFO +/-14V
0 TP 1	not used	1 pce	2.8*0.8	PCB-Flachstecker, gerade
0 XIC 11	53.03.2232	1 pce	32p	PLCC-Socket
0 Y 1	89.60.1007	1 pce	14.7456MHz	SMD Quartz
0 Y 2	not used	1 pce	12.000MHz	XTAL HC 49/U
0 Y 3	89.60.1003	1 pce	12.000MHz	SMD Quartz

End of List

(01) C23,C26,C30: 1.0uF -> 0.47uF
MP8 added

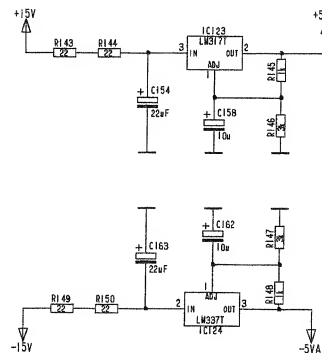
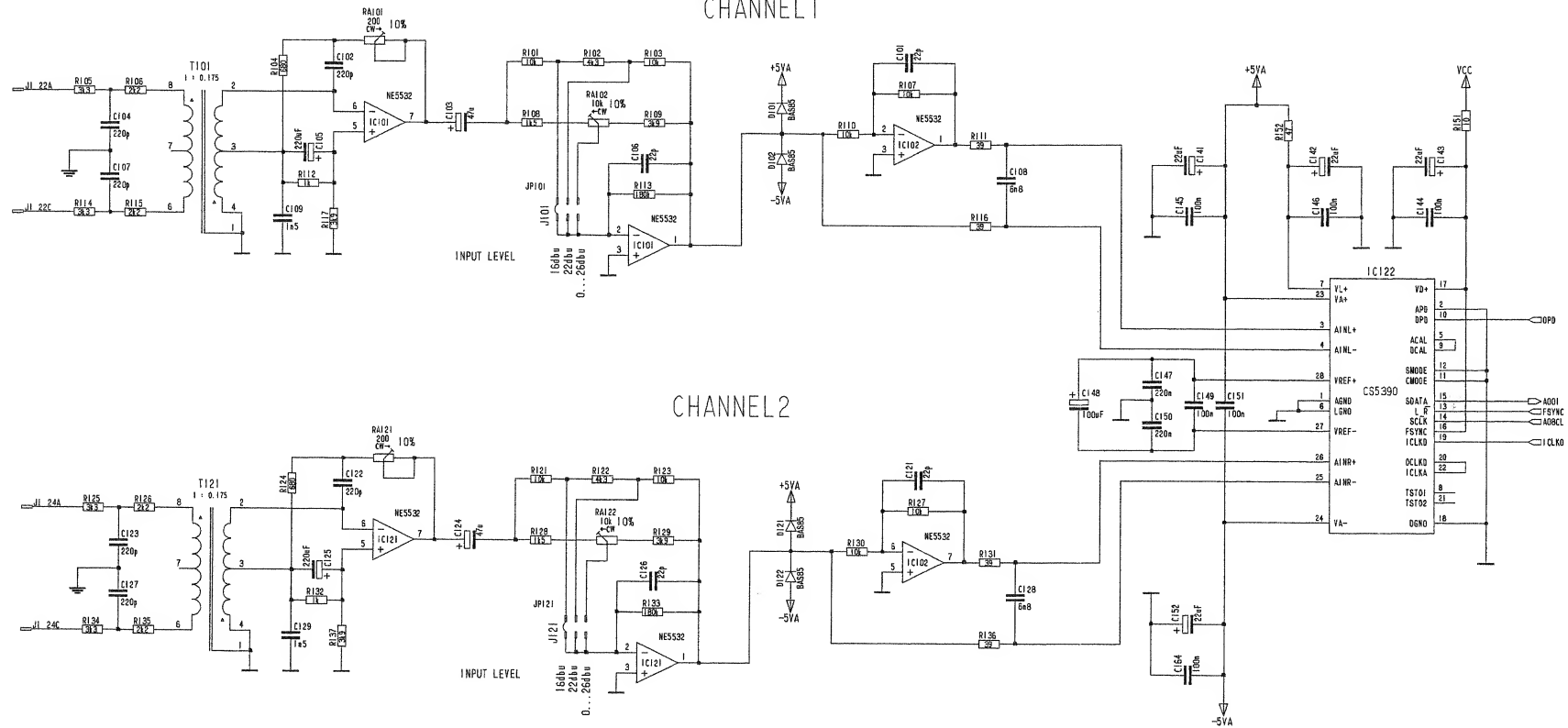
CIRCUIT DIAGRAMS: D19m INPUT INTERFACE CARDS

C4AD Board	1.940.560
C4AD NS Board	1.940.561
C4AD/24 Board	1.940.562
C4AD NS/24 Board	1.940.563
MP4RC Board.....	1.940.575
RCC Board.....	1.940.576
AESI Board	1.940.580
Block Diagram AESI SFC Board	1.940.540
AESI SFC Board.....	1.940.540
Block Diagram MADI	1.940.500/1.940.510
MADI Coaxial	1.940.500
MADI Optical	1.940.510
MADI Optical	1.940.511
MADI Optical with redundant MADI IN	1.940.512
TDIFI Interface	1.940.480
TDIFI Interface with AES Out.....	1.950.481
ADATI Interface	1.940.490
ADATI Interface with AES Out	1.940.491

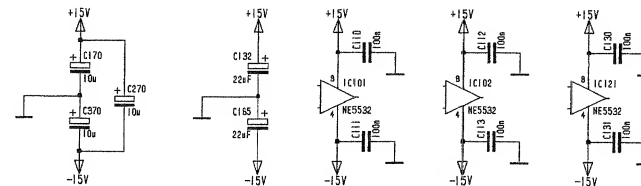
D19M C4 AD Board 1.940.560.21



CHANNEL 1

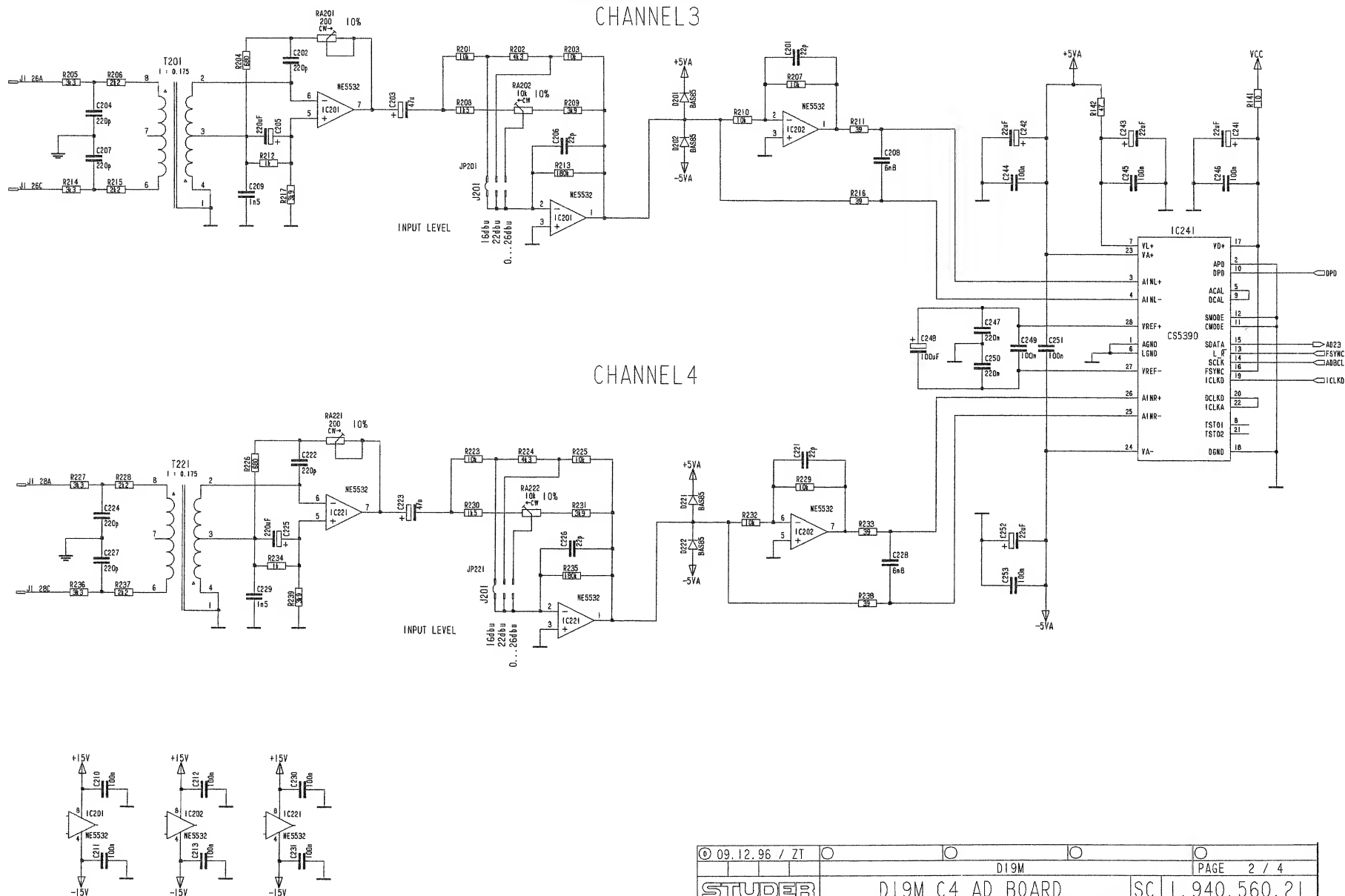


TP141

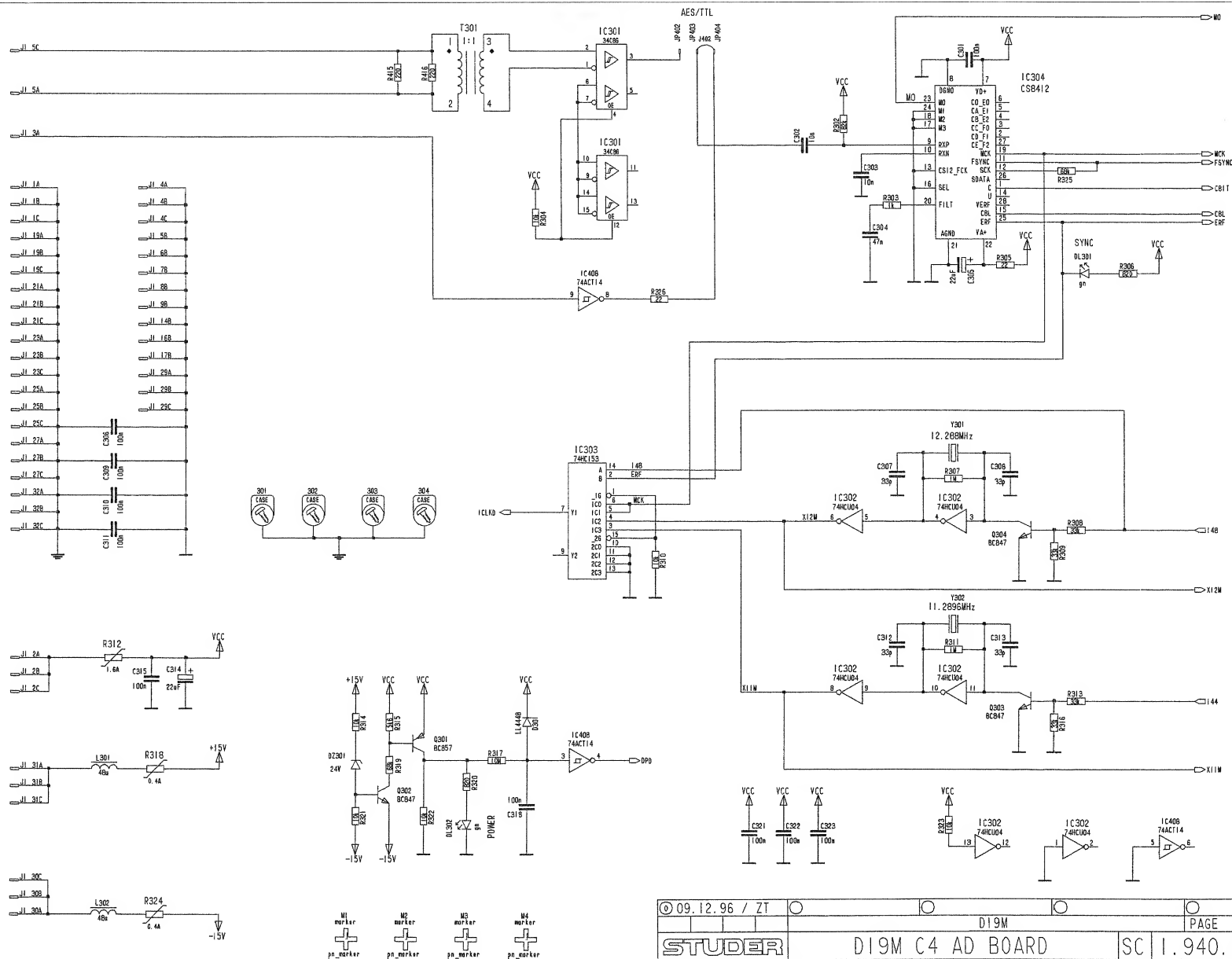




CHANNEL 3



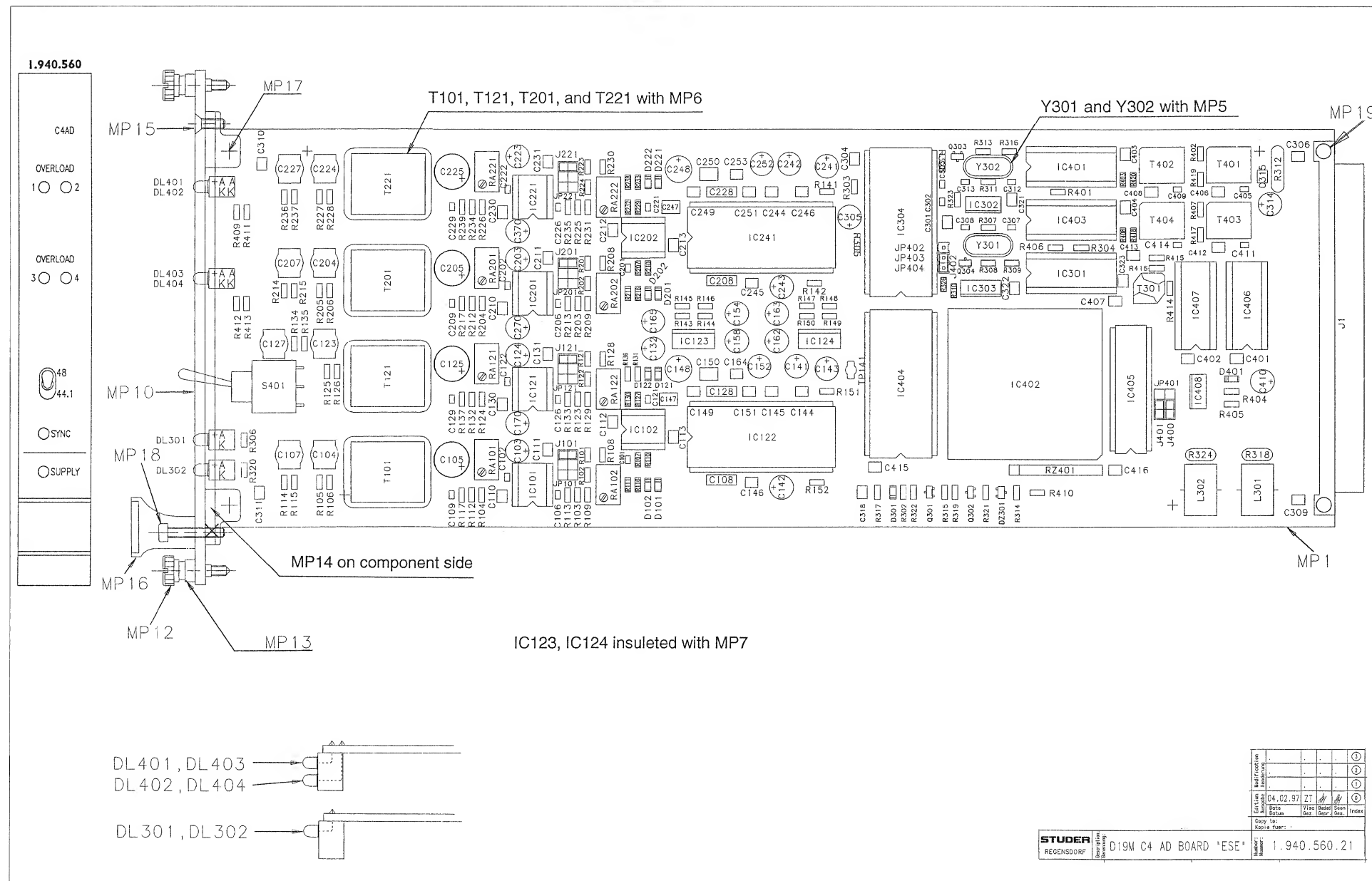
DI9M C4 AD Board 1.940.560.21







DI9M C4 AD Board 1.940.560.21





D19M C4 AD Board 1.940.560.21

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 101	59.60.0220	22p		CER 63V, 5%, COG, 0805	0	C 308	59.60.0330	33p		CER 63V, 5%, COG, 0805	0	JP 404	54.01.0020	1p		Pin 0.63*0.63	0	R 216	57.60.1360	39R		MF, 1%, 0204, E24
0	C 102	59.60.0221	22p		CER 63V, 5%, COG, 0805	0	C 309	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 217	57.60.1362	39G		MF, 1%, 0204, E24						
0	C 103	59.22.3470	47u		EL 10V, 20%, RM5	0	C 310	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 223	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 104	59.05.1221	22p		PP, 1%, 630V	0	C 311	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 224	57.60.1432	4K3		MF, 1%, 0204, E24						
0	C 105	59.22.3221	22p		EL 10V, 20%, RM5	0	C 312	59.60.0330	33p		CER 63V, 5%, COG, 0805	0	R 225	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 106	59.60.0220	22p		CER 63V, 5%, COG, 0805	0	C 313	59.60.0330	33p		CER 63V, 5%, COG, 0805	0	R 226	57.60.1681	680R		MF, 1%, 0204, E24						
0	C 107	59.05.1221	22p		PP, 1%, 630V	0	C 314	59.22.5220	22u		EL 25V, 20%, RM5	0	R 227	57.60.1332	3K3		MF, 1%, 0204, E24						
0	C 108	59.06.0682	6n8		PETP, 63V, 10%, RM5	0	C 315	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 228	57.60.1222	2K2		MF, 1%, 0204, E24						
0	C 109	59.60.1152	1n5		CER 63V, 10%, X7R, 0805	0	C 318	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 229	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 110	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	C 321	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 230	57.60.1152	1K5		MF, 1%, 0204, E24						
0	C 111	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	C 322	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 231	57.60.1362	3K9		MF, 1%, 0204, E24						
0	C 112	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	C 323	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 232	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 113	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	C 370	59.22.8100	10u		EL 35V, 20%, RM5	0	R 233	57.60.1390	39R		MF, 1%, 0204, E24						
0	C 121	59.60.0220	22p		CER 63V, 5%, COG, 0805	0	C 401	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 234	57.60.1122	1K		MF, 1%, 0204, E24						
0	C 122	59.60.0221	22p		CER 63V, 5%, COG, 0805	0	C 402	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 235	57.60.1184	180K		MF, 1%, 0204, E24						
0	C 123	59.05.1221	22p		PP, 1%, 630V	0	C 403	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 236	57.60.1332	3K3		MF, 1%, 0204, E24						
0	C 124	59.22.3470	47u		EL 10V, 20%, RM5	0	C 404	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 237	57.60.1222	2K2		MF, 1%, 0204, E24						
0	C 125	59.22.3221	22p		EL 10V, 20%, RM5	0	C 405	59.60.0101	100p		CER 63V, 5%, COG, 0805	0	R 238	57.60.1360	39R		MF, 1%, 0204, E24						
0	C 128	59.60.0220	22p		CER 63V, 5%, COG, 0805	0	C 406	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 239	57.60.1392	3K9		MF, 1%, 0204, E24						
0	C 127	59.05.1221	22p		PP, 1%, 630V	0	C 407	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 302	57.60.1623	82K		MF, 1%, 0204, E24						
0	C 128	59.06.0682	6n8		PETP, 63V, 10%, RM5	0	C 408	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 303	57.60.1102	1K		MF, 1%, 0204, E24						
0	C 129	59.60.1152	1n5		CER 63V, 10%, X7R, 0805	0	C 409	59.60.0101	100p		CER 63V, 5%, COG, 0805	0	R 304	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 130	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	C 410	59.22.8479	4u7		EL 50V, 20%, RM5	0	R 305	57.60.1220	22R		MF, 1%, 0204, E24						
0	C 131	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	C 411	59.60.0101	100p		CER 63V, 5%, COG, 0805	0	R 306	57.60.1821	820R		MF, 1%, 0204, E24						
0	C 132	59.22.5220	22u		EL 25V, 20%, RM5	0	C 412	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 307	57.60.1106	1M		MF, 1%, 0204, E24						
0	C 141	59.22.5220	22u		EL 25V, 20%, RM5	0	C 413	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 308	57.60.1333	33K		MF, 1%, 0204, E24						
0	C 142	59.22.5220	22u		EL 25V, 20%, RM5	0	C 414	59.60.0101	100p		CER 63V, 5%, COG, 0805	0	R 309	57.60.1333	33K		MF, 1%, 0204, E24						
0	C 143	59.22.5220	22u		EL 25V, 20%, RM5	0	C 415	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 310	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 144	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	C 416	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	R 311	57.60.1105	1M		MF, 1%, 0204, E24						
0	C 145	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	D 101	59.60.8101	BAS85		D BAS 85 SOD 80	0	R 312	57.60.1362	3K9		POLY-PTC, 30V						
0	C 146	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	D 102	59.60.8101	BAS85		D BAS 85 SOD 80	0	R 313	57.60.1333	33K		MF, 1%, 0204, E24						
0	C 147	59.60.1224	22n		CER 63V, 10%, X7R, 1812	0	D 121	59.60.8101	BAS85		D BAS 85 SOD 80	0	R 314	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 148	59.22.3101	100u		EL 10V, 20%, RM5	0	D 122	59.60.8101	BAS85		D BAS 85 SOD 80	0	R 315	57.60.1682	68K		MF, 1%, 0204, E24						
0	C 149	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	D 123	59.60.8101	BAS85		D BAS 85 SOD 80	0	R 316	57.60.1333	33K		MF, 1%, 0204, E24						
0	C 150	59.60.1224	22n		CER 63V, 10%, X7R, 1812	0	D 201	59.60.8101	BAS85		D BAS 85 SOD 80	0	R 317	57.60.1106	10M		MF, 2%, 0204, E24						
0	C 151	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	D 202	59.60.8101	BAS85		D BAS 85 SOD 80	0	R 318	57.60.1103	0.4A		POLY-PTC, 60V						
0	C 152	59.22.5220	22u		EL 25V, 20%, RM5	0	D 221	59.60.8101	BAS85		D BAS 85 SOD 80	0	R 319	57.60.1683	68K		MF, 1%, 0204, E24						
0	C 154	59.22.5220	22u		EL 25V, 20%, RM5	0	D 222	59.60.8101	BAS85		D BAS 85 SOD 80	0	R 320	57.60.1821	820R		MF, 1%, 0204, E24						
0	C 159	59.22.5100	10u		EL 35V, 20%, RM5	0	D 223	59.60.8101	BAS85		D BAS 85 SOD 80	0	R 321	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 162	59.22.8100	10u		EL 35V, 20%, RM5	0	D 401	59.60.8001	4448		D LL 4448 SOD 80	0	R 322	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 163	59.22.8200	22u		EL 25V, 20%, RM5	0	D 402	59.60.8001	4448		D LL 4448 SOD 80	0	R 323	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 164	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	DL 301	59.04.2202	HLMP1790		DL HLMP - 1790 GN	0	R 314	57.60.1332	3K3		MF, 1%, 0204, E24						
0	C 165	59.22.5220	22u		EL 25V, 20%, RM5	0	DL 302	59.04.2202	HLMP1790		DL HLMP - 1790 GN	0	R 315	57.60.1222	2K2		MF, 1%, 0204, E24						
0	C 170	59.22.8100	10u		EL 35V, 20%, RM5	0	DL 401	59.04.2202	HLMP1790		DL HLMP - 1790 RT	0	R 316	57.60.1390	39R		MF, 1%, 0204, E24						
0	C 201	59.60.0220	22p		CER 63V, 5%, COG, 0805	0	DL 402	59.04.2202	HLMP1790		DL HLMP - 1790 RT	0	R 317	57.60.1392	3K9		MF, 1%, 0204, E24						
0	C 202	59.60.0221	22p		CER 63V, 5%, COG, 0805	0	DL 403	59.04.2202	HLMP1790		DL HLMP - 1790 RT	0	R 318	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 203	59.22.3470	47u		EL 10V, 20%, RM5	0	DL 404	59.04.2202	HLMP1790		DL HLMP - 1790 RT	0	R 319	57.60.1432	4K3		MF, 1%, 0204, E24						
0	C 204	59.05.1221	22p		PP, 1%, 630V	0	DZ 301	59.60.9026	24V		5%, 0.2W, SOT 23	0	R 320	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 205	59.22.3221	22p		EL 10V, 20%, RM5	0	IC 101	59.08.0106	5532AN		IC NE 5532 AN, NE 5532 AN, A	0	R 321	57.60.1332	3K3		MF, 1%, 0204, E24						
0	C 206	59.60.0220	22p		CER 63V, 5%, COG, 0805	0	IC 102	59.08.0106	5532AN		IC NE 5532 AN, NE 5532 AN, A	0	R 322	57.60.1222	2K2		MF, 1%, 0204, E24						
0	C 207	59.05.1221	22p		PP, 1%, 630V	0	IC 103	59.08.0106	5532AN		IC NE 5532 AN, NE 5532 AN, A	0	R 323	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 208	59.06.0682	6n8		PETP, 63V, 10%, RM5	0	IC 104	59.08.0106	5532AN		IC NE 5532 AN, NE 5532 AN, A	0	R 324	57.60.1332	3K3		MF, 1%, 0204, E24						
0	C 209	59.60.1152	1n5		CER 63V, 10%, X7R, 0805	0	IC 105	59.08.0106	5532AN		IC NE 5532 AN, NE 5532 AN, A	0	R 325	57.60.1152	1K5		MF, 1%, 0204, E24						
0	C 210	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	IC 106	59.19.0205	CS9390		IC CS 9390 - KP A	0	R 326	57.60.1392	3K9		MF, 1%, 0204, E24						
0	C 211	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	IC 107	59.19.0205	CS9390		IC CS 9390 - KP A	0	R 327	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 212	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	IC 108	59.19.0205	CS9390		IC CS 9390 - KP A	0	R 328	57.60.1390	39R		MF, 1%, 0204, E24						
0	C 213	59.60.1104	100n		CER 63V, 10%, X7R, 1210	0	IC 109	59.19.0205	CS9390		IC CS 9390 - KP A	0	R 329	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 221	59.60.0220	22p		CER 63V, 5%, COG, 0805	0	IC 110	59.19.0205	CS9390		IC CS 9390 - KP A	0	R 330	57.60.1390	39R		MF, 1%, 0204, E24						
0	C 222	59.60.0221	22p		CER 63V, 5%, COG, 0805	0	IC 111	59.19.0205	CS9390		IC CS 9390 - KP A	0	R 331	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 223	59.22.3470	47u		EL 10V, 20%, RM5	0	IC 112	59.19.0205	CS9390		IC CS 9390 - KP A	0	R 332	57.60.1390	39R		MF, 1%, 0204, E24						
0	C 224	59.05.1221	22p		PP, 1%, 630V	0	IC 113	59.19.0205	CS9390		IC CS 9390 - KP A	0	R 333	57.60.1103	10K		MF, 1%, 0204, E24						
0	C 225	59.22.3221	22p		EL 10V, 20%, RM5	0	IC 114	59.19.0205	CS9390		IC CS 9390 - KP A	0	R 334	57.60.1390	39R		MF, 1%, 0204, E24						
0	C 226	59.60.0220	22p		CER 63V, 5%, COG,																		

**DI9M C4 AD Board I.940.560.2I**

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	XDL 301	50.20.2501		Spacer	LED-Sockel
0	XDL 302	50.20.2501		Spacer	LED-Sockel
0	XDL 401	50.20.2501		Spacer	LED-Sockel
0	XDL 403	50.20.2501		Spacer	LED-Sockel
0	XIC 401	53.03.0168		16p	DIL 0.3", lot, gerade
0	XIC 402	53.03.2284		PLCC84p	PLCC-Socket 84p
0	XIC 403	53.03.0168		16p	DIL 0.3", lot, gerade
0	XIC 404	53.03.0173		28p	DIL 0.6", lot, gerade
0	Y 301	89.01.1015		12.288MHz	Y 12.288 MHz, HC 49/U
0	Y 302	89.01.0559		11.289MHz	Y 11.2896 MHz

End of List

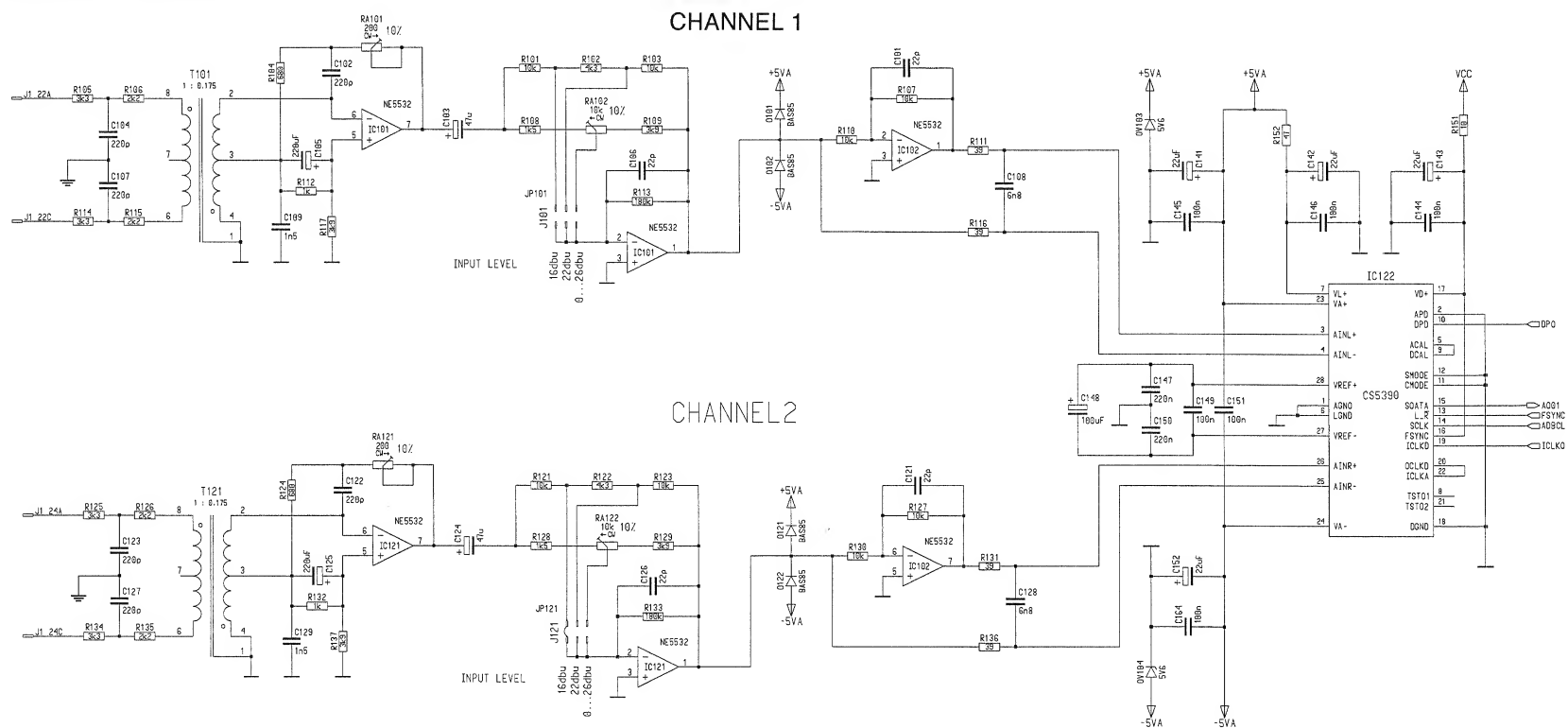
Comments:

IC-Sockel XIC nn entsprechend den IC Nummern bestuecken.
LED-Sockel XDL nn entsprechend den DL Nummern bestuecken.

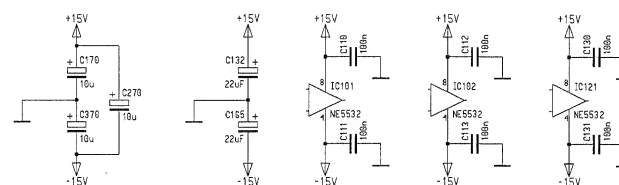
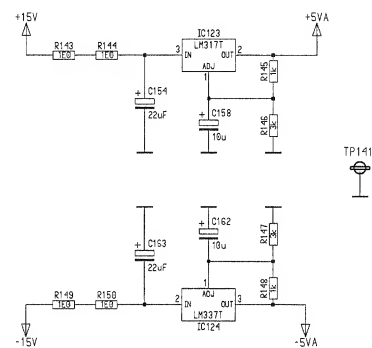


CD19M C4 AD NS Board 1.940.561.21

CHANNEL 1



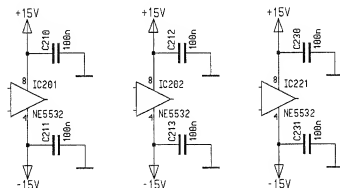
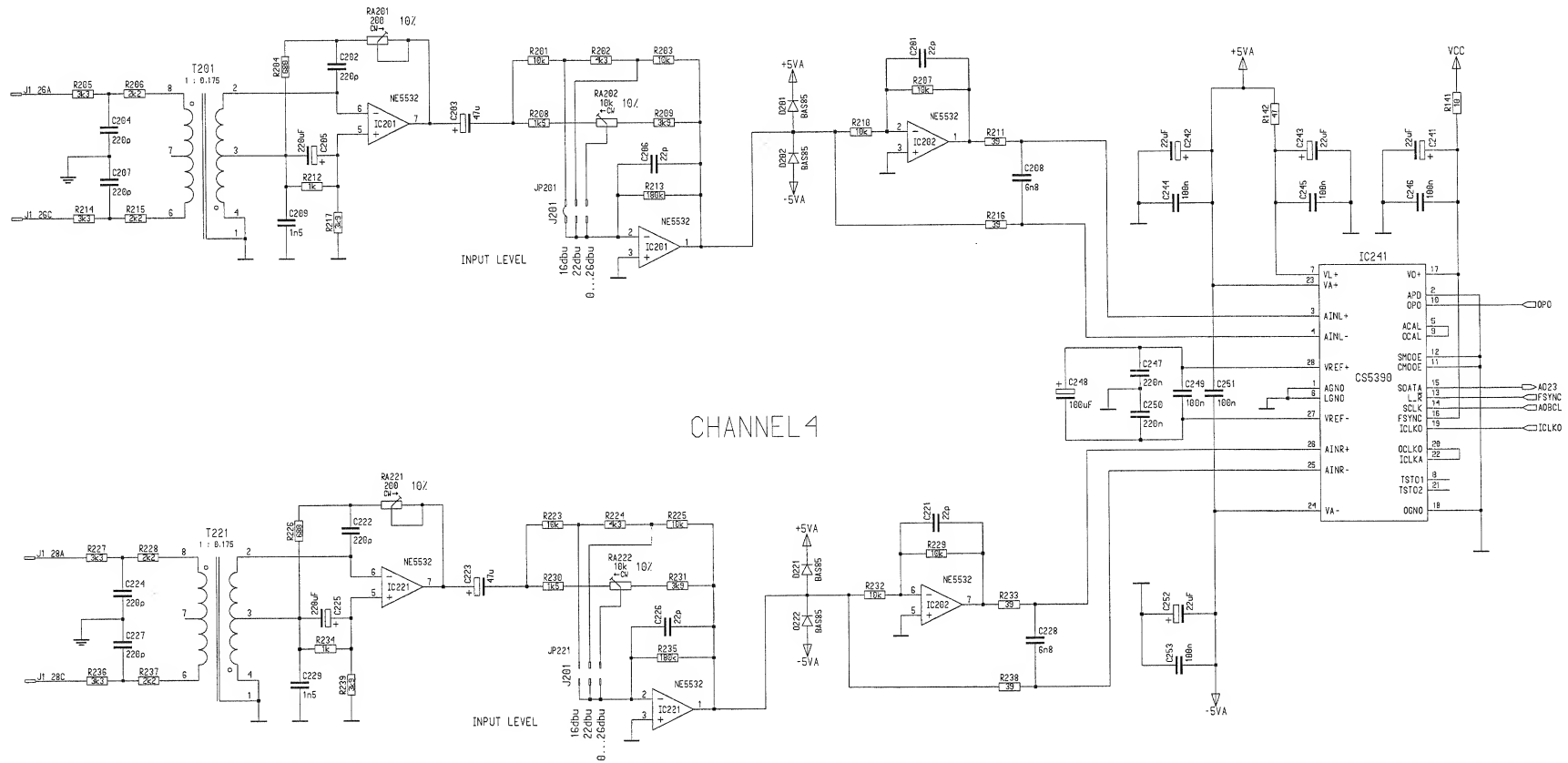
CHANNEL2



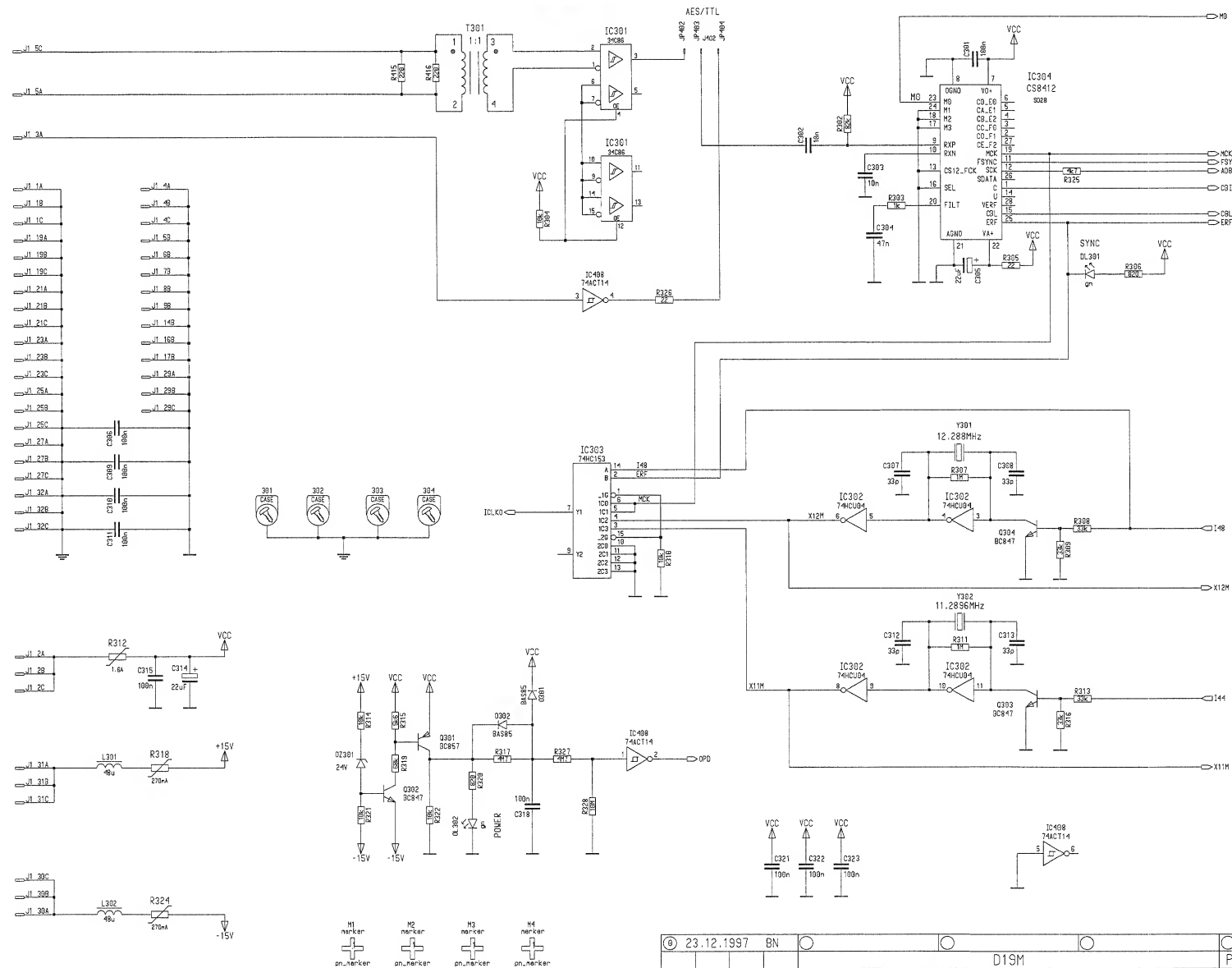


CD19M C4 AD NS Board 1.940.561.21

CHANNEL 3



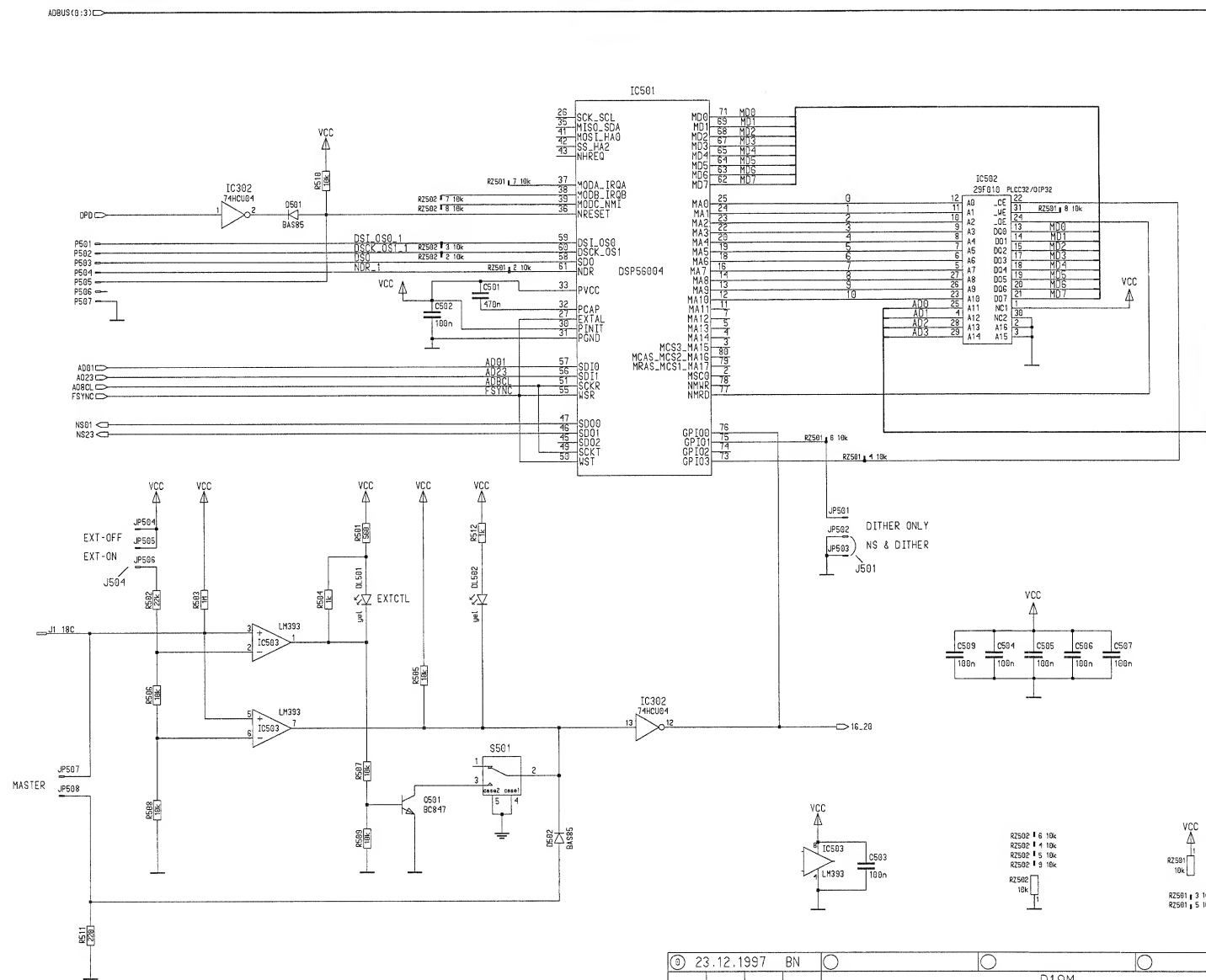
CD19M C4 AD NS Board 1.940.561.21







CD19M C4 AD NS Board 1.940.561.21





CD 1717 C 4 AD NS Board

DL401, DL403, DL501
DL402, DL404, DL502

DL301, DL302

STUDER
REGENSDORF

D19M C4 AD NS BOARD "ESE"

1.940.561.21

						(3)
Modification						(2)
						(1)
Edition	23.12.97	BN	<i>[Signature]</i>	<i>[Signature]</i>		(0)
Date	Datum	Visa	Ges.	Sern	Index	
Copy to:						
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Eⁿ Number: 1.940.561.21



CDI9M C4 AD NS Board I.940.561.21

Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 101	59.60.0220	22p		CER 63V, 5%, C0G, 0805	0	C 301	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 102	59.60.0221	220p		CER 63V, 5%, C0G, 0805	0	C 302	59.60.1103	10n		CER 63V, 10%, X7R, 0805
0	C 103	59.22.3470	47u		EL 10V 20% RM5	0	C 303	59.60.1103	10n		CER 63V, 10%, X7R, 0805
0	C 104	59.05.1221	220p		PP, 1%, 630V	0	C 304	59.60.1473	47n		CER 63V, 10%, X7R, 1210
0	C 105	59.22.3221	220u		EL 10V 20% RM5	0	C 305	59.22.5220	22u		EL 25V 20% RM5
0	C 106	59.60.0220	22p		CER 63V, 5%, C0G, 0805	0	C 306	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 107	59.05.1221	220p		PP, 1%, 630V	0	C 307	59.60.0330	33p		CER 63V, 5%, C0G, 0805
0	C 108	59.08.0682	6n8		PETP, 63V, 10%, RM5	0	C 308	59.60.0330	33p		CER 63V, 5%, C0G, 0805
0	C 109	59.60.1152	1n5		CER 63V, 10%, X7R, 0805	0	C 309	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 110	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 310	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 111	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 311	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 112	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 312	59.60.0330	33p		CER 63V, 5%, C0G, 0805
0	C 113	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 313	59.60.0330	33p		CER 63V, 5%, C0G, 0805
0	C 121	59.60.0220	22p		CER 63V, 5%, C0G, 0805	0	C 314	59.22.5220	22u		EL 25V 20% RM5
0	C 122	59.60.0221	220p		CER 63V, 5%, C0G, 0805	0	C 315	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 123	59.05.1221	220p		PP, 1%, 630V	0	C 318	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 124	59.22.3470	47u		EL 10V 20% RM5	0	C 321	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 125	59.22.3221	220u		EL 10V 20% RM5	0	C 322	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 126	59.60.0220	22p		CER 63V, 5%, C0G, 0805	0	C 323	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 127	59.05.1221	220p		PP, 1%, 630V	0	C 370	59.22.6100	10u		EL 35V 20% RM5
0	C 128	59.06.0682	6n8		PETP, 63V, 10%, RM5	0	C 401	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 129	59.60.1152	1n5		CER 63V, 10%, X7R, 0805	0	C 402	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 130	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 403	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 131	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 404	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 132	59.22.5220	22u		EL 25V 20% RM5	0	C 405	59.60.0101	100p		CER 63V, 5%, C0G, 0805
0	C 141	59.22.5220	22u		EL 25V 20% RM5	0	C 406	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 142	59.22.5220	22u		EL 25V 20% RM5	0	C 407	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 143	59.22.5220	22u		EL 25V 20% RM5	0	C 408	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 144	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 409	59.60.0101	100p		CER 63V, 5%, C0G, 0805
0	C 145	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 410	59.22.8479	4u7		EL 50V 20% RM5
0	C 146	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 411	59.60.0101	100p		CER 63V, 5%, C0G, 0805
0	C 147	59.60.1224	220n		CER 63V, 10%, X7R, 1812	0	C 412	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 148	59.22.3101	100u		EL 10V 20% RM5	0	C 413	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 149	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 414	59.60.0101	100p		CER 63V, 5%, C0G, 0805
0	C 150	59.60.1224	220n		CER 63V, 10%, X7R, 1812	0	C 415	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 151	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 416	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 152	59.22.5220	22u		EL 25V 20% RM5	0	C 501	59.60.3845	470n		CER 50V, 10%, X7R, 2220
0	C 154	59.22.5220	22u		EL 25V 20% RM5	0	C 502	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 158	59.22.6100	10u		EL 35V 20% RM5	0	C 503	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 162	59.22.6100	10u		EL 35V 20% RM5	0	C 504	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 163	59.22.5220	22u		EL 25V 20% RM5	0	C 505	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 164	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 506	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 165	59.22.5220	22u		EL 25V 20% RM5	0	C 507	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 170	59.22.6100	10u		EL 35V 20% RM5	0	C 509	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 201	59.60.0220	22p		CER 63V, 5%, C0G, 0805	0	D 101	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 202	59.60.0221	220p		CER 63V, 5%, C0G, 0805	0	D 102	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 203	59.22.3470	47u		EL 10V 20% RM5	0	D 121	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 204	59.05.1221	220p		PP, 1%, 630V	0	D 122	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 205	59.22.3221	220u		EL 10V 20% RM5	0	D 201	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 206	59.60.0220	22p		CER 63V, 5%, C0G, 0805	0	D 202	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 207	59.05.1221	220p		PP, 1%, 630V	0	D 221	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 208	59.06.0682	6n8		PETP, 63V, 10%, RM5	0	D 222	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 209	59.60.1152	1n5		CER 63V, 10%, X7R, 0805	0	D 301	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 210	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	D 302	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 211	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	D 401	50.60.8001	4448	200mA	75V 4ns SOD 80
0	C 212	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	D 501	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 213	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	D 502	50.60.8101	BAS85	200mA	30V Schottky SOD 80
0	C 221	59.60.0220	22p		CER 63V, 5%, C0G, 0805	0	DL 301	50.04.2202	HLMP1790	DL HLMP - 1790	GN
0	C 222	59.60.0221	220p		CER 63V, 5%, C0G, 0805	0	DL 302	50.04.2202	HLMP1790	DL HLMP - 1790	GN
0	C 223	59.22.3470	47u		EL 10V 20% RM5	0	DL 401	50.04.2200	HLMP1700	DL HLMP - 1700	RT
0	C 224	59.05.1221	220p		PP, 1%, 630V	0	DL 402	50.04.2200	HLMP1700	DL HLMP - 1700	RT
0	C 225	59.22.3221	220u		EL 10V 20% RM5	0	DL 403	50.04.2200	HLMP1700	DL HLMP - 1700	RT
0	C 226	59.60.0220	22p		CER 63V, 5%, C0G, 0805	0	DL 404	50.04.2200	HLMP1700	DL HLMP - 1700	RT
0	C 227	59.05.1221	220p		PP, 1%, 630V	0	DL 501	50.04.2201	HLMP1719	DL HLMP - 1719	GB
0	C 228	59.06.0682	6n8		PETP, 63V, 10%, RM5	0	DL 502	50.04.2202	HLMP1790	DL HLMP - 1790	GN
0	C 229	59.60.1152	1n5		CER 63V, 10%, X7R, 0805	0	DV 103	50.04.1108	5V6	Zener, 5%, 0.5W, DO-35	
0	C 230	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	DV 104	50.04.1108	5V6	Zener, 5%, 0.5W, DO-35	
0	C 231	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	DZ 301	50.60.9026	24V	5%, 0.2W, SOT 23	
0	C 241	59.22.5220	22u		EL 25V 20% RM5	0	IC 101	50.09.0106	5532AN	IC NE 5532 AN, NE 5532 AN, ,A	
0	C 242	59.22.5220	22u		EL 25V 20% RM5	0	IC 102	50.09.0106	5532AN	IC NE 5532 AN, NE 5532 AN, ,A	
0	C 243	59.22.5220	22u		EL 25V 20% RM5	0	IC 121	50.09.0106	5532AN	IC NE 5532 AN, NE 5532 AN, ,A	
0	C 244	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 122	50.19.0205	CS5390	A/D Converter 20bit delta sigm	
0	C 245	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 123	50.10.0104	LM317SP	Series regulator 1.5A ...+37V	
0	C 246	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 124	50.10.0105	LM337KC	Series regulator 1.5A ...-37V	
0	C 247	59.60.1224	220n		CER 63V, 10%, X7R, 1812	0	IC 201	50.09.0106	5532AN	IC NE 5532 AN, NE 5532 AN, ,A	
0	C 248	59.22.3101	100u		EL 10V 20% RM5	0	IC 202	50.09.0106	5532AN	IC NE 5532 AN, NE 5532 AN, ,A	
0	C 249	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 221	50.09.0106	5532AN	IC NE 5532 AN, NE 5532 AN, ,A	
0	C 250	59.60.1224	220n		CER 63V, 10%, X7R, 1812	0	IC 241	50.19.0205	CS5390	A/D Converter 20bit delta sigm	
0	C 251	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 301	50.15.0128	34C86	IC DS 34 C 86 TN, MC34C86P, A	
0	C 252	59.22.5220	22u		EL 25V 20% RM5						
0	C 253	59.60.3337	100n		CER 50V, 10%, X7R, 0805						
0	C 270	59.22.6100	10u		EL 35V 20% RM5						



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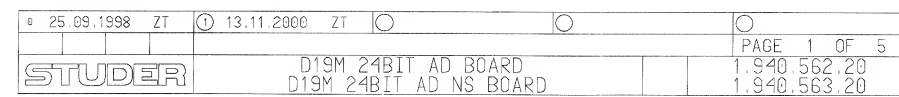
Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	IC 302	50.62.1904		74HCU04	Hex inverter unbuffered	0	R 109	57.60.1392		3K9	MF, 1%, 0204, E24
0	IC 303	50.62.1153		74HC153	Dual 4ch multiplexer	0	R 110	57.60.1103		10K	MF, 1%, 0204, E24
0	IC 304	50.62.0913		CS8412	AES-Receiver	0	R 111	57.60.1390		39R	MF, 1%, 0204, E24
0	IC 401	50.15.0127		34C87	IC DS 34 C 87 TN, MC34C87P ,A	0	R 112	57.60.1102		1K	MF, 1%, 0204, E24
0	IC 402	1.940.969.21			SW 560 MICADOR (50.63.4205)	0	R 113	57.60.1184		180K	MF, 1%, 0204, E24
0	IC 403	50.15.0127		34C87	IC DS 34 C 87 TN, MC34C87P ,A	0	R 114	57.60.1332		3K3	MF, 1%, 0204, E24
0	IC 404	1.940.969.20			SW 561 ADCBIT (50.63.1303)	0	R 115	57.60.1222		2K2	MF, 1%, 0204, E24
0	IC 405	50.14.1009		7C128A	SRAM 2K*8 35ns	0	R 116	57.60.1390		39R	MF, 1%, 0204, E24
0	IC 406	50.06.0595		74LS595	SN 74 LS 595 N	0	R 117	57.60.1392		3K9	MF, 1%, 0204, E24
0	IC 407	50.06.0595		74LS595	SN 74 LS 595 N	0	R 121	57.60.1103		10K	MF, 1%, 0204, E24
0	IC 408	50.62.6014		74ACT 14	Hex inverting Schmitt trigger	0	R 122	57.60.1432		4K3	MF, 1%, 0204, E24
0	IC 501	50.63.0404		56004	DSP 56 004 40MHz	0	R 123	57.60.1103		10K	MF, 1%, 0204, E24
0	IC 502	1.940.978.20			SW 561 Dither+NS (50.63.1303)	0	R 124	57.60.1681		680R	MF, 1%, 0204, E24
0	IC 503	50.61.9001		LM393	Dual voltage comp. SO 8	0	R 125	57.60.1332		3K3	MF, 1%, 0204, E24
0	J 1	54.11.2009		96p	EU-R 3*32p	0	R 126	57.60.1222		2K2	MF, 1%, 0204, E24
0	J 101	54.01.0021		Jumper	0.63 * 0.63mm	0	R 127	57.60.1103		10K	MF, 1%, 0204, E24
0	J 121	54.01.0021		Jumper	0.63 * 0.63mm	0	R 128	57.60.1152		1K5	MF, 1%, 0204, E24
0	J 201	54.01.0021		Jumper	0.63 * 0.63mm	0	R 129	57.60.1392		3K9	MF, 1%, 0204, E24
0	J 221	54.01.0021		Jumper	0.63 * 0.63mm	0	R 130	57.60.1103		10K	MF, 1%, 0204, E24
0	J 400	54.01.0021		Jumper	0.63 * 0.63mm	0	R 131	57.60.1390		39R	MF, 1%, 0204, E24
0	J 401	54.01.0021		Jumper	0.63 * 0.63mm	0	R 132	57.60.1102		1K	MF, 1%, 0204, E24
0	J 402	54.01.0021		Jumper	0.63 * 0.63mm	0	R 133	57.60.1184		180K	MF, 1%, 0204, E24
0	J 501	54.01.0021		Jumper	0.63 * 0.63mm	0	R 134	57.60.1332		3K3	MF, 1%, 0204, E24
0	J 504	54.01.0021		Jumper	0.63 * 0.63mm	0	R 135	57.60.1222		2K2	MF, 1%, 0204, E24
0	JP 101	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0	R 136	57.60.1390		39R	MF, 1%, 0204, E24
0	JP 121	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0	R 137	57.60.1392		3K9	MF, 1%, 0204, E24
0	JP 201	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0	R 141	57.60.1100		10R	MF, 1%, 0204, E24
0	JP 221	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0	R 142	57.60.1470		47R	MF, 1%, 0204, E24
0	JP 401	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0	R 143	57.60.1109		1R	MF, 1%, 0204, E24
0	JP 402	54.01.0020		1p	Pin 0.63*0.63	0	R 144	57.60.1109		1R	MF, 1%, 0204, E24
0	JP 403	54.01.0020		1p	Pin 0.63*0.63	0	R 145	57.60.1102		1K	MF, 1%, 0204, E24
0	JP 404	54.01.0020		1p	Pin 0.63*0.63	0	R 146	57.60.1302		3K0	MF, 1%, 0204, E24
0	JP 501	54.01.0020		1p	Pin 0.63*0.63	0	R 147	57.60.1302		3K0	MF, 1%, 0204, E24
0	JP 502	54.01.0020		1p	Pin 0.63*0.63	0	R 148	57.60.1102		1K	MF, 1%, 0204, E24
0	JP 503	54.01.0020		1p	Pin 0.63*0.63	0	R 149	57.60.1109		1R	MF, 1%, 0204, E24
0	JP 504	54.01.0020		1p	Pin 0.63*0.63	0	R 150	57.60.1109		1R	MF, 1%, 0204, E24
0	JP 505	54.01.0020		1p	Pin 0.63*0.63	0	R 151	57.60.1100		10R	MF, 1%, 0204, E24
0	JP 506	54.01.0020		1p	Pin 0.63*0.63	0	R 152	57.60.1470		47R	MF, 1%, 0204, E24
0	JP 507	54.01.0020		1p	Pin 0.63*0.63	0	R 201	57.60.1103		10K	MF, 1%, 0204, E24
0	JP 508	54.01.0020		1p	Pin 0.63*0.63	0	R 202	57.60.1432		4K3	MF, 1%, 0204, E24
0	L 301	62.03.0010		48uH	2A Toroid Chocke	0	R 203	57.60.1103		10K	MF, 1%, 0204, E24
0	L 302	62.03.0010		48uH	2A Toroid Chocke	0	R 204	57.60.1681		680R	MF, 1%, 0204, E24
0	MP 1	1.940.561.11			D19M C4 AD BOARD NS PCB	0	R 205	57.60.1332		3K3	MF, 1%, 0204, E24
0	MP 2	1.940.561.04			TYPENSCHILD	0	R 206	57.60.1222		2K2	MF, 1%, 0204, E24
0	MP 3	43.01.0108		Label	ESE-WARNSCHILD	0	R 207	57.60.1103		10K	MF, 1%, 0204, E24
0	MP 4	1.101.001.21			TEXT-ETIK. 5*20 HARDWARE -21	0	R 208	57.60.1152		1K5	MF, 1%, 0204, E24
0	MP 5	89.01.1499	2 pcs		QUARZ - ISOLIERPLATTE	0	R 209	57.60.1392		3K9	MF, 1%, 0204, E24
0	MP 6	1.022.400.03	4 pcs		ISOLATION	0	R 210	57.60.1103		10K	MF, 1%, 0204, E24
0	MP 7	1.010.127.65	2 pcs	9.5*15	Schrumpf-Schlauch bl	0	R 211	57.60.1390		39R	MF, 1%, 0204, E24
0	MP 10	1.940.561.01	1 pce		FRONTPLATTE C4AD NS	0	R 212	57.60.1102		1K	MF, 1%, 0204, E24
0	MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE	0	R 213	57.60.1184		180K	MF, 1%, 0204, E24
0	MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)	0	R 214	57.60.1332		3K3	MF, 1%, 0204, E24
0	MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)	0	R 215	57.60.1222		2K2	MF, 1%, 0204, E24
0	MP 14	49.02.0522	2 pcs		Kartenhalter (Rack)	0	R 216	57.60.1390		39R	MF, 1%, 0204, E24
0	MP 15	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp	0	R 217	57.60.1392		3K9	MF, 1%, 0204, E24
0	MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff	0	R 223	57.60.1103		10K	MF, 1%, 0204, E24
0	MP 17	21.53.0279	2 pcs	M2.5*6	Z-Schraube Inbus Zn gb chr	0	R 224	57.60.1432		4K3	MF, 1%, 0204, E24
0	MP 18	21.53.0284	1 pce	M2.5*16	Z-Schraube Inbus Zn gb chr	0	R 225	57.60.1103		10K	MF, 1%, 0204, E24
0	MP 19	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9	0	R 226	57.60.1681		680R	MF, 1%, 0204, E24
0	P 501	not used		1p	Pin 0.63*0.63	0	R 227	57.60.1332		3K3	MF, 1%, 0204, E24
0	P 502	not used		1p	Pin 0.63*0.63	0	R 228	57.60.1222		2K2	MF, 1%, 0204, E24
0	P 503	not used		1p	Pin 0.63*0.63	0	R 229	57.60.1103		10K	MF, 1%, 0204, E24
0	P 504	not used		1p	Pin 0.63*0.63	0	R 230	57.60.1152		1K5	MF, 1%, 0204, E24
0	P 505	not used		1p	Pin 0.63*0.63	0	R 231	57.60.1392		3K9	MF, 1%, 0204, E24
0	P 506	not used		1p	Pin 0.63*0.63	0	R 232	57.60.1103		10K	MF, 1%, 0204, E24
0	P 507	not used		1p	Pin 0.63*0.63	0	R 233	57.60.1390		39R	MF, 1%, 0204, E24
0	Q 301	50.60.1001		BC857B	PNP 45V 100mA SOT 23	0	R 234	57.60.1102		1K	MF, 1%, 0204, E24
0	Q 302	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0	R 235	57.60.1184		180K	MF, 1%, 0204, E24
0	Q 303	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0	R 236	57.60.1332		3K3	MF, 1%, 0204, E24
0	Q 304	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0	R 237	57.60.1222		2K2	MF, 1%, 0204, E24
0	Q 501	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0	R 238	57.60.1390		39R	MF, 1%, 0204, E24
0	R 101	57.60.1103		10K	MF, 1%, 0204, E24	0	R 239	57.60.1392		3K9	MF, 1%, 0204, E24
0	R 102	57.60.1432		4K3	MF, 1%, 0204, E24	0	R 302	57.60.1823		82K	MF, 1%, 0204, E24
0	R 103	57.60.1103		10K	MF, 1%, 0204, E24	0	R 303	57.60.1102		1K	MF, 1%, 0204, E24
0	R 104	57.60.1681		680R	MF, 1%, 0204, E24	0	R 304	57.60.1103		10K	MF, 1%, 0204, E24
0	R 105	57.60.1332		3K3	MF, 1%, 0204, E24	0	R 305	57.60.1220		22R	MF, 1%, 0204, E24
0	R 106	57.60.1222		2K2	MF, 1%, 0204, E24	0	R 306	57.60.1102		1K	MF, 1%, 0204, E24
0	R 107	57.60.1103		10K	MF, 1%, 0204, E24	0	R 307	57.60.1105		1M	MF, 1%, 0204, E24
0	R 108	57.60.1152		1K5	MF, 1%, 0204, E24	0	R 308	57.60.1333		33K	MF, 1%, 0204, E24
						0	R 309	57.60.1333		33K	MF, 1%, 0204, E24
						0	R 310	57.60.1103		10K	MF, 1%, 0204, E24
						0	R 311	57.60.1105		1M	MF, 1%, 0204, E24

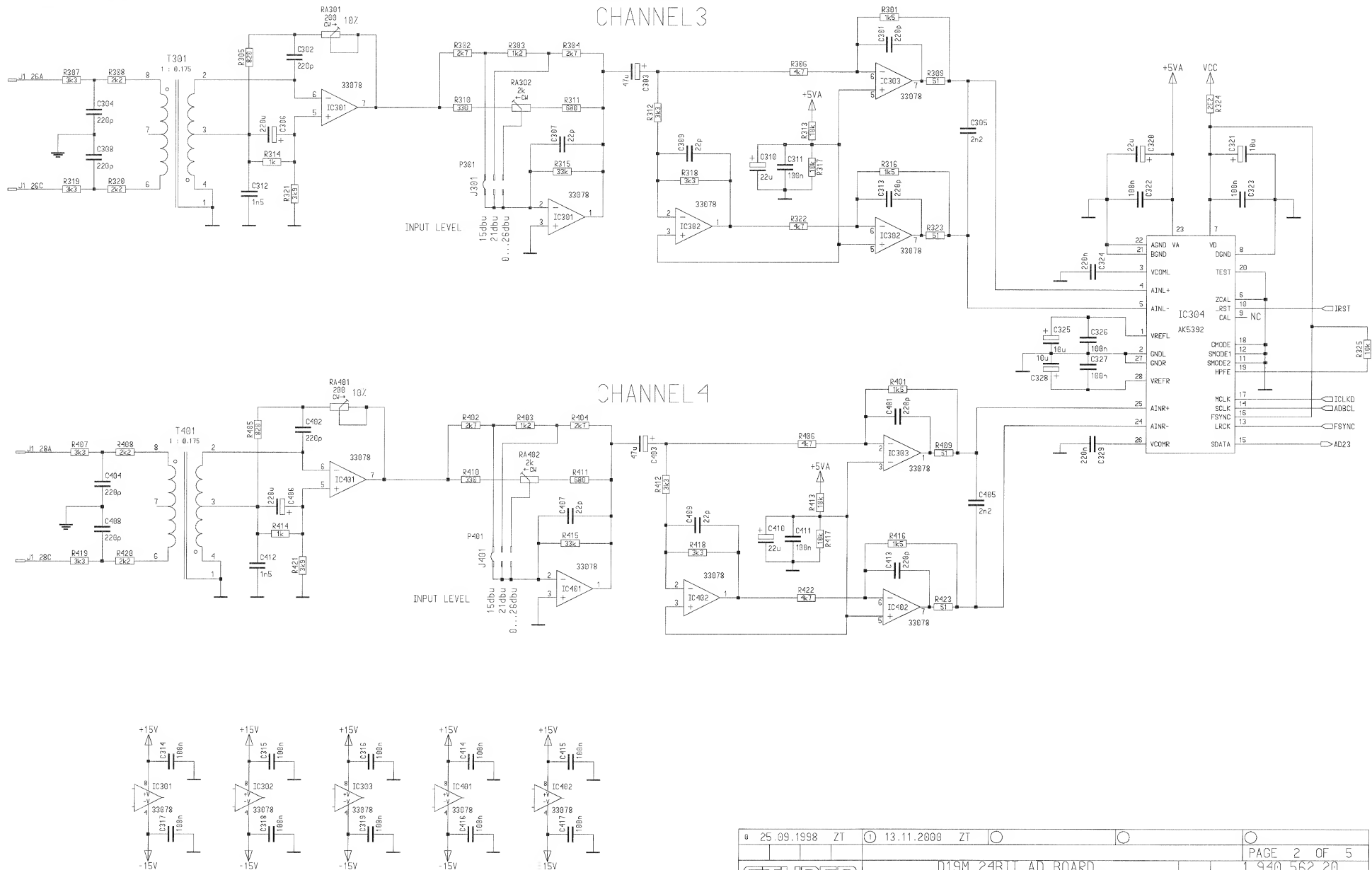


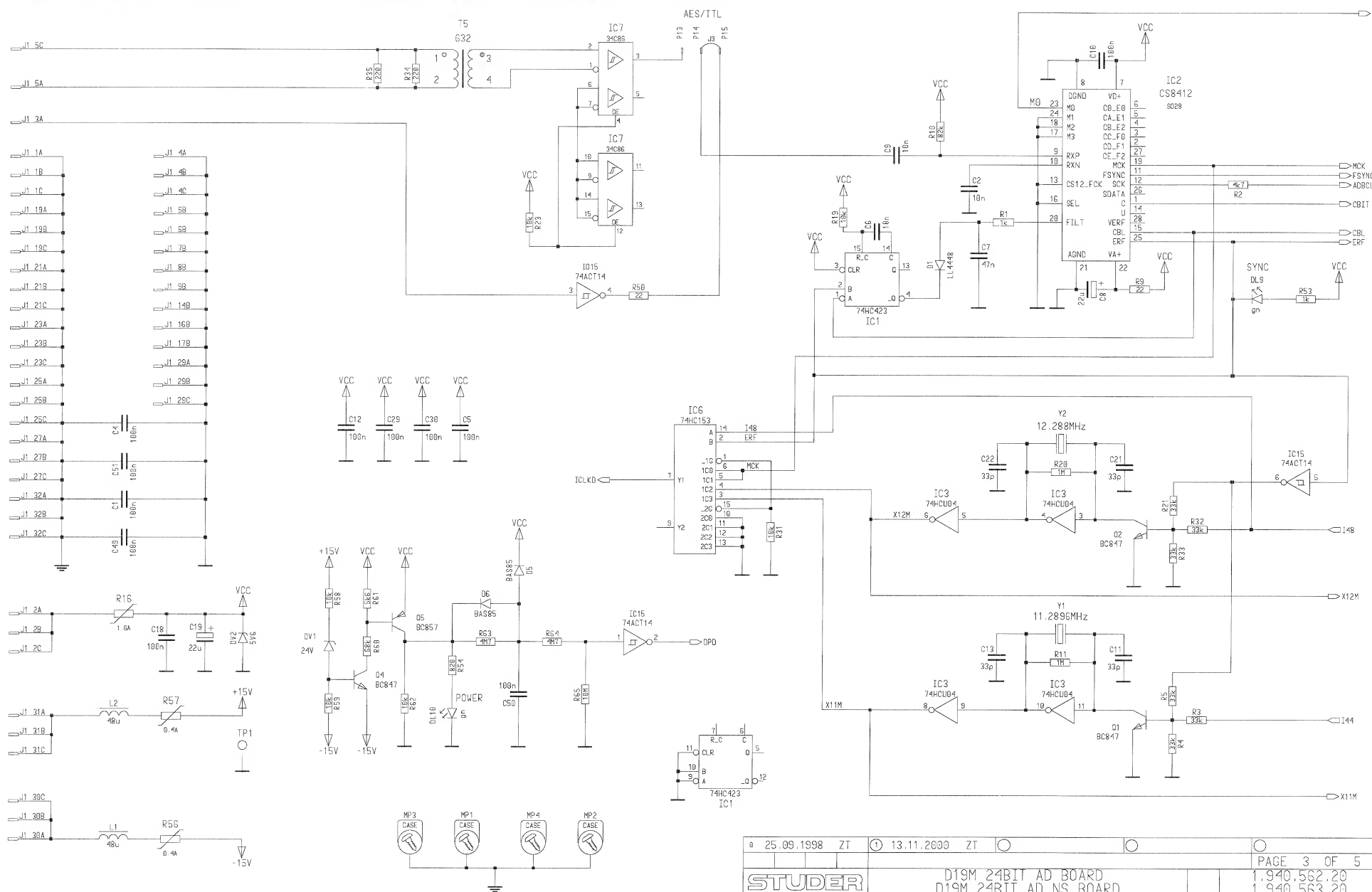
CDI9M C4 AD NS Board I.940.561.21

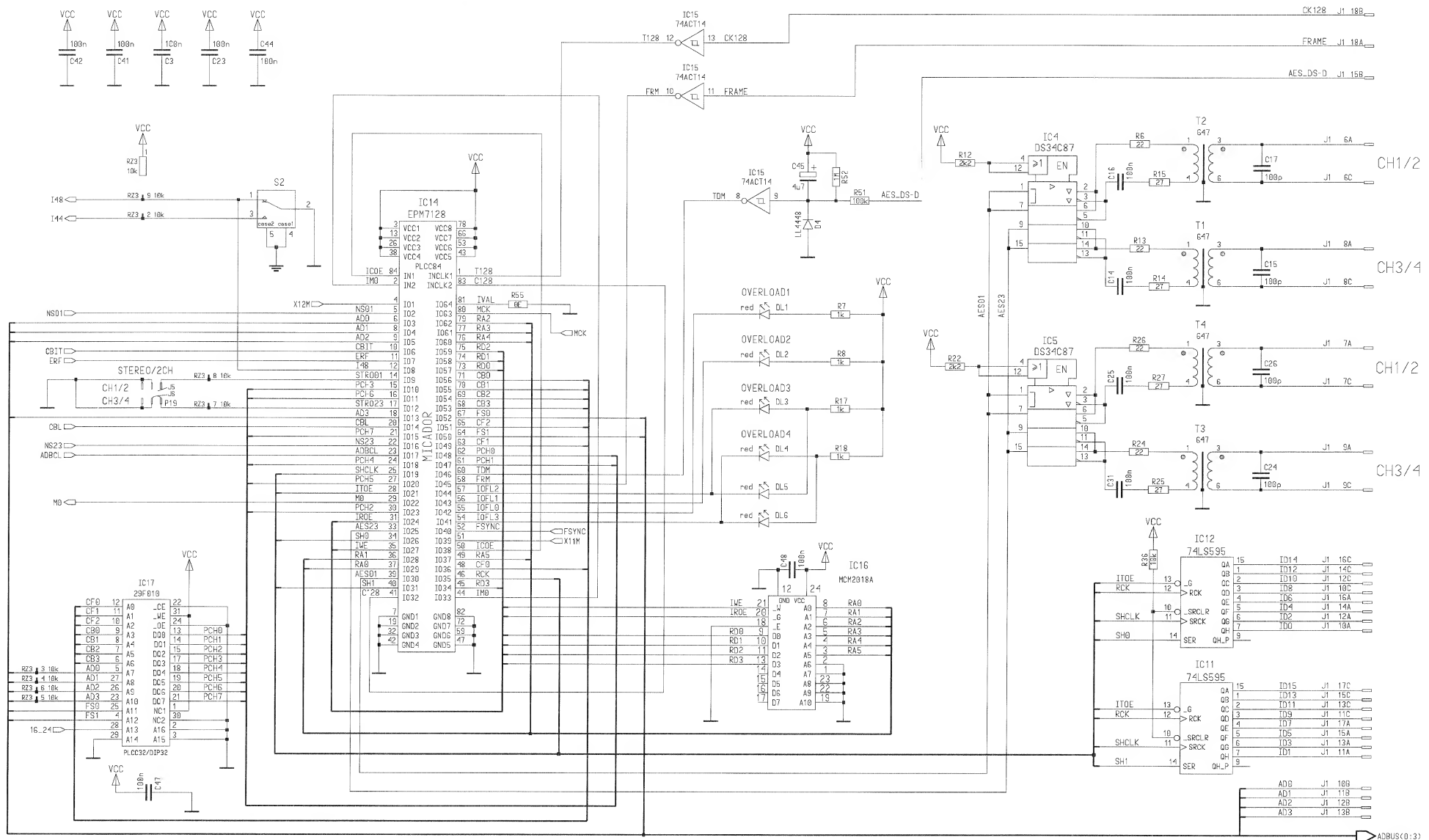
Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 312	57.92.7053		1.6A	PTC 30V	0	R 512	57.60.1102		1K	MF, 1%, 0204, E24
0	R 313	57.60.1333		33K	MF, 1%, 0204, E24	0	RA 101	58.05.1201		200R	10%, 0.5W, Cermet
0	R 314	57.60.1103		10K	MF, 1%, 0204, E24	0	RA 102	58.05.1103		10k	10%, 0.5W, Cermet
0	R 315	57.60.1562		5K6	MF, 1%, 0204, E24	0	RA 121	58.05.1201		200R	10%, 0.5W, Cermet
0	R 316	57.60.1333		33K	MF, 1%, 0204, E24	0	RA 122	58.05.1103		10k	10%, 0.5W, Cermet
0	R 317	57.60.1475		4M7	MF, 1%, 0204, E24	0	RA 201	58.05.1201		200R	10%, 0.5W, Cermet
0	R 318	57.92.1221		270mA	PTC 30V 60hm	0	RA 202	58.05.1103		10k	10%, 0.5W, Cermet
0	R 319	57.60.1683		68K	MF, 1%, 0204, E24	0	RA 221	58.05.1201		200R	10%, 0.5W, Cermet
0	R 320	57.60.1821		820R	MF, 1%, 0204, E24	0	RA 222	58.05.1103		10k	10%, 0.5W, Cermet
0	R 321	57.60.1103		10K	MF, 1%, 0204, E24	0	RZ 401	57.88.4103		10k	8*R Resistor-Netw 2% SIP9
0	R 322	57.60.1103		10K	MF, 1%, 0204, E24	0	RZ 501	57.88.4103		10k	8*R Resistor-Netw 2% SIP9
0	R 324	57.92.1221		270mA	PTC 30V 60hm	0	RZ 502	57.88.4103		10k	8*R Resistor-Netw 2% SIP9
0	R 325	57.60.1472		4K7	MF, 1%, 0204, E24	0	S 401	55.11.0202		SPDT	Toggle 1 * on-none-on
0	R 326	57.60.1220		22R	MF, 1%, 0204, E24	0	S 501	55.11.0202		SPDT	Toggle 1 * on-none-on
0	R 327	57.60.1475		4M7	MF, 1%, 0204, E24	0	T 101	1.022.454.00		1:0.175	EINGANGSTRAFO 1:0.175
0	R 328	57.60.1106		10M	MF, 1%, 0204, E24	0	T 121	1.022.454.00		1:0.175	EINGANGSTRAFO 1:0.175
0	R 401	57.60.1222		2K2	MF, 1%, 0204, E24	0	T 201	1.022.454.00		1:0.175	EINGANGSTRAFO 1:0.175
0	R 402	57.60.1220		22R	MF, 1%, 0204, E24	0	T 221	1.022.454.00		1:0.175	EINGANGSTRAFO 1:0.175
0	R 403	57.60.1220		22R	MF, 1%, 0204, E24	0	T 301	1.022.632.00		1:1	DI/DO TRANSFORMER
0	R 404	57.60.1105		1M	MF, 1%, 0204, E24	0	T 401	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	R 405	57.60.1104		100K	MF, 1%, 0204, E24	0	T 402	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	R 406	57.60.1222		2K2	MF, 1%, 0204, E24	0	T 403	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	R 407	57.60.1220		22R	MF, 1%, 0204, E24	0	T 404	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	R 408	57.60.1220		22R	MF, 1%, 0204, E24	0	TP 141	54.02.0320		1p	PCB-Flachst 2.8*0.8, gerade
0	R 409	57.60.1102		1K	MF, 1%, 0204, E24	0	XDL 301	50.20.2501		Spacer	LED-Sockel
0	R 410	57.60.1000		0R0	MF, 0204	0	XDL 302	50.20.2501		Spacer	LED-Sockel
0	R 411	57.60.1102		1K	MF, 1%, 0204, E24	0	XDL 401	50.20.2501		Spacer	LED-Sockel
0	R 412	57.60.1102		1K	MF, 1%, 0204, E24	0	XDL 403	50.20.2501		Spacer	LED-Sockel
0	R 413	57.60.1102		1K	MF, 1%, 0204, E24	0	XDL 501	50.20.2501		Spacer	LED-Sockel
0	R 414	57.60.1103		10K	MF, 1%, 0204, E24	0	XIC 401	53.03.0168		16p	DIL 0.3", löt, gerade
0	R 415	57.60.1221		220R	MF, 1%, 0204, E24	0	XIC 402	53.03.2284		84p	PLCC-Socket
0	R 416	57.60.1221		220R	MF, 1%, 0204, E24	0	XIC 403	53.03.0168		16p	DIL 0.3", löt, gerade
0	R 417	57.60.1270		27R	MF, 1%, 0204, E24	0	XIC 404	53.03.2232		32p	PLCC-Socket
0	R 418	57.60.1270		27R	MF, 1%, 0204, E24	0	XIC 502	53.03.2232		32p	PLCC-Socket
0	R 419	57.60.1270		27R	MF, 1%, 0204, E24	0	Y 301	89.01.1015		12.288MHz	XTAL HC 49/U
0	R 420	57.60.1270		27R	MF, 1%, 0204, E24	0	Y 302	89.01.0559		11.289MHz	XTAL
0	R 501	57.60.1561		560R	MF, 1%, 0204, E24	End of List					
0	R 502	57.60.1223		22K	MF, 1%, 0204, E24	<u>Comments</u>					
0	R 503	57.60.1105		1M	MF, 1%, 0204, E24	(21) latch-up problem at AD-converter					
0	R 504	57.60.1102		1K	MF, 1%, 0204, E24						
0	R 505	57.60.1103		10K	MF, 1%, 0204, E24						
0	R 506	57.60.1103		10K	MF, 1%, 0204, E24						
0	R 507	57.60.1103		10K	MF, 1%, 0204, E24						
0	R 508	57.60.1103		10K	MF, 1%, 0204, E24						
0	R 509	57.60.1103		10K	MF, 1%, 0204, E24						
0	R 510	57.60.1103		10K	MF, 1%, 0204, E24						
0	R 511	57.60.1221		220R	MF, 1%, 0204, E24						

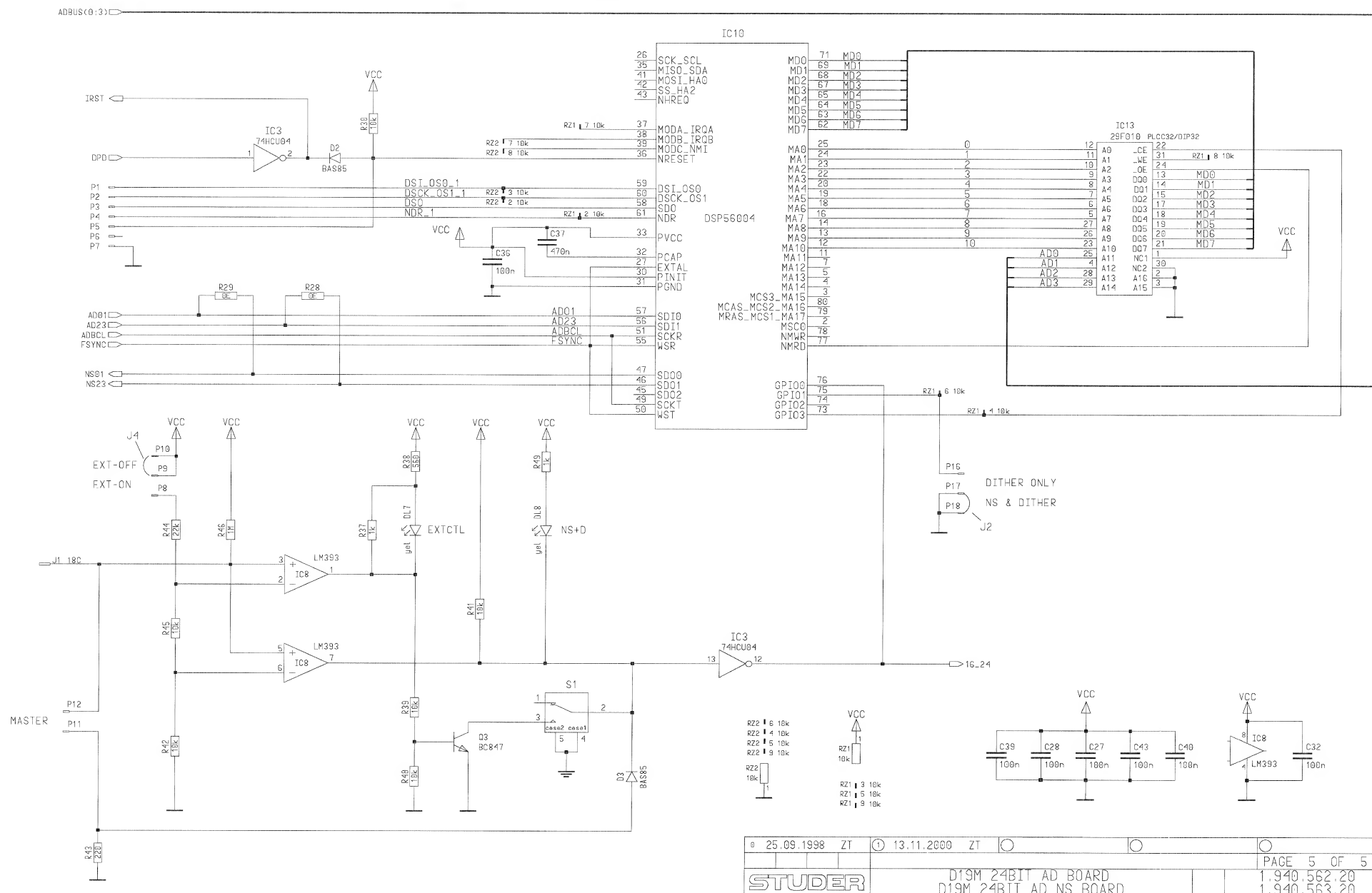
CHANNEL 1



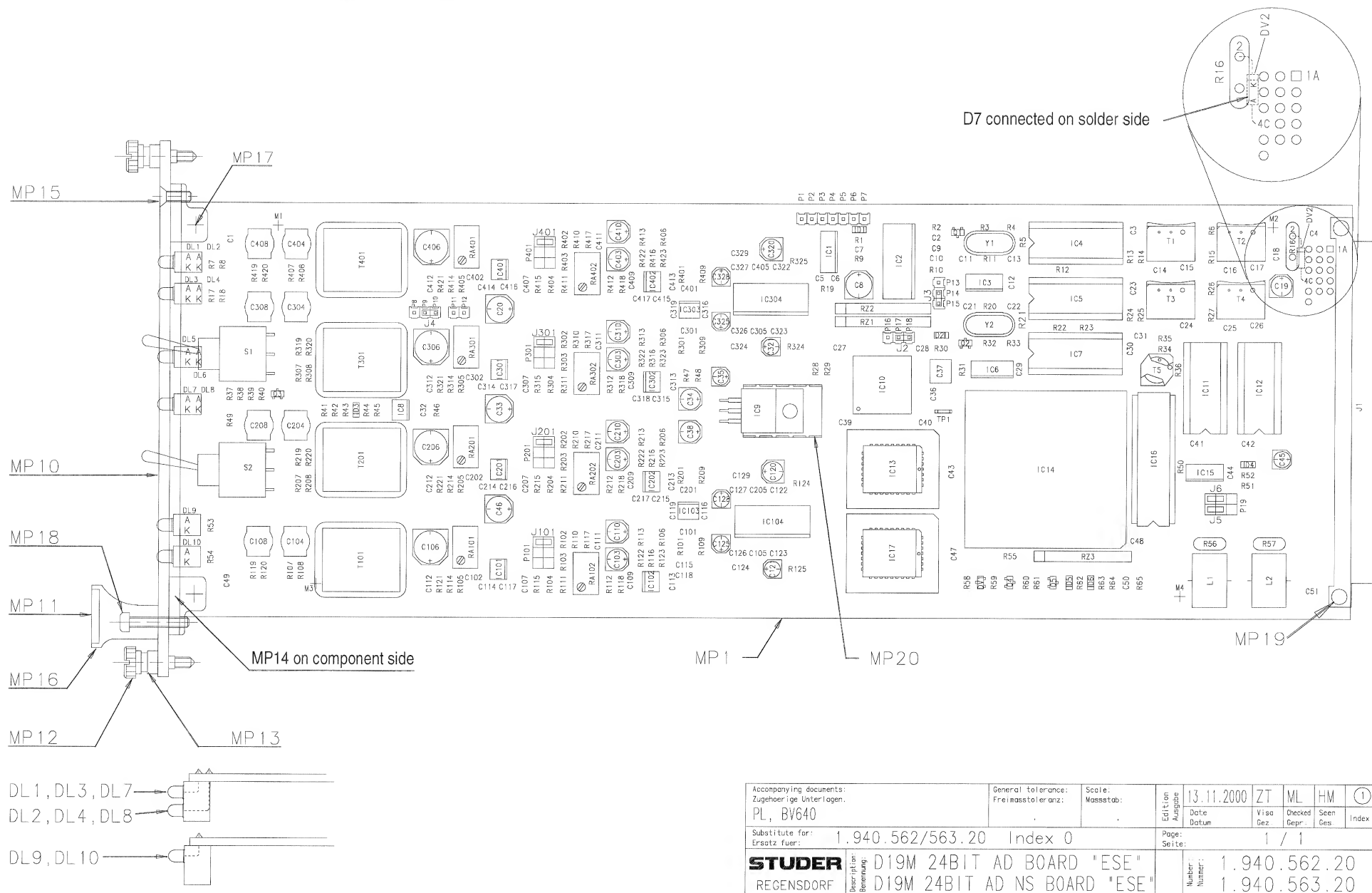
C4AD/24, 24 Bit A/D 1.940.562.20 (1); C4AD NS/24, 24 Bit A/D w. Noise Shaping 1.940.563.20 (1)

C4AD/24, 24 Bit A/D 1.940.562.20 (1); C4AD NS/24, 24 Bit A/D w. Noise Shaping 1.940.563.20 (1)


C4AD/24, 24 Bit A/D 1.940.562.20 (1); C4AD NS/24, 24 Bit A/D w. Noise Shaping 1.940.563.20 (1)


C4AD/24, 24 Bit A/D 1.940.562.20 (1); C4AD NS/24, 24 Bit A/D w. Noise Shaping 1.940.563.20 (1)


C4AD/24, 24 Bit A/D 1.940.562.20 (1); C4AD NS/24, 24 Bit A/D w. Noise Shaping 1.940.563.20 (1)



Accompanying documents: Zugehörige Unterlagen: PL, BV640			General tolerance: Freimasstoleranz:		Scale: Massstab:		Edition Ausgabe 13.11.2000		ZT		ML		HM		①	
Substitute for: Ersatz fuer:			1.940.562/563.20			Index 0			Page: Seite:		1 / 1					
STUDER			Description: Benennung:			D19M 24BIT AD BOARD "ESE"			Number: Number:		1.940.562.20					
REGENSDORF						D19M 24BIT AD NS BOARD "ESE"					1.940.563.20					

C4AD/24, 24 Bit A/D 1.940.562.20 (2)

Page: 1 of 3

Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 208	59.05.1221	220p		PP, 1%, 630V
0 C 2	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 C 209	59.60.2233	22p		CER 50V, 5%, C0G, 0603
0 C 3	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 210	59.68.0067	22u		EL 16V, 5.0*5.7
0 C 4	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 211	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 5	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 212	59.60.3315	1n5		CER 50V, 10%, X7R, 0805
0 C 6	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 C 213	59.60.2257	220p		CER 50V, 5%, C0G, 0603
0 C 7	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 C 214	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 8	59.68.0111	22u		EL 35V, 6.3*5.7	0 C 215	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 9	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 C 216	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 10	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 217	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 11	59.60.2237	33p		CER 50V, 5%, C0G, 0603	0 C 301	59.60.2257	220p		CER 50V, 5%, C0G, 0603
0 C 12	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 302	59.60.2257	220p		CER 50V, 5%, C0G, 0603
0 C 13	59.60.2237	33p		CER 50V, 5%, C0G, 0603	0 C 303	59.68.0027	47u		EL 6V, 5.0*5.7
0 C 14	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 304	59.05.1221	220p		PP, 1%, 630V
0 C 15	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0 C 305	59.60.3317	2n2		CER 50V, 10%, X7R, 0805
0 C 16	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 306	59.68.0073	220u		EL 16V, 8.0*10.7
0 C 17	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0 C 307	59.60.2233	22p		CER 50V, 5%, C0G, 0603
0 C 18	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 308	59.05.1221	220p		PP, 1%, 630V
0 C 19	59.68.0067	22u		EL 16V, 5.0*5.7	0 C 309	59.60.2233	22p		CER 50V, 5%, C0G, 0603
0 C 20	59.68.0111	22u		EL 35V, 6.3*5.7	0 C 310	59.68.0067	22u		EL 16V, 5.0*5.7
0 C 21	59.60.2237	33p		CER 50V, 5%, C0G, 0603	0 C 311	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 22	59.60.2237	33p		CER 50V, 5%, C0G, 0603	0 C 312	59.60.3315	1n5		CER 50V, 10%, X7R, 0805
0 C 23	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 313	59.60.2257	220p		CER 50V, 5%, C0G, 0603
0 C 24	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0 C 314	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 25	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 315	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 26	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0 C 316	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 27	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 317	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 28	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 318	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 29	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 319	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 30	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 320	59.68.0067	22u		EL 16V, 5.0*5.7
0 C 31	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 321	59.68.0065	10u		EL 16V, 4.0*5.7
0 C 32	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 322	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 33	59.68.0111	22u		EL 35V, 6.3*5.7	0 C 323	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 34	59.68.0067	22u		EL 16V, 5.0*5.7	0 C 324	59.60.3441	220n		CER 50V, 10%, X7R, 1206
0 C 35	59.68.0065	10u		EL 16V, 4.0*5.7	0 C 325	59.68.0065	10u		EL 16V, 4.0*5.7
0 C 36	not used	100n		CER 50V, 10%, X7R, 0805	0 C 326	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 37	not used	470n		CER 50V, 10%, X7R, 2220	0 C 327	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 38	59.68.0067	22u		EL 16V, 5.0*5.7	0 C 328	59.68.0065	10u		EL 16V, 4.0*5.7
0 C 39	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 329	59.60.3441	220n		CER 50V, 10%, X7R, 1206
0 C 40	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 401	59.60.2257	220p		CER 50V, 5%, C0G, 0603
0 C 41	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 402	59.60.2257	220p		CER 50V, 5%, C0G, 0603
0 C 42	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 403	59.68.0027	47u		EL 6V, 5.0*5.7
0 C 43	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 404	59.05.1221	220p		PP, 1%, 630V
0 C 44	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 405	59.60.3317	2n2		CER 50V, 10%, X7R, 0805
0 C 45	59.68.0107	4u7		EL 35V, 4.0*5.7	0 C 406	59.68.0073	220u		EL 16V, 8.0*10.7
0 C 46	59.68.0111	22u		EL 35V, 6.3*5.7	0 C 407	59.60.2233	22p		CER 50V, 5%, C0G, 0603
0 C 47	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 408	59.05.1221	220p		PP, 1%, 630V
0 C 48	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 409	59.60.2233	22p		CER 50V, 5%, C0G, 0603
0 C 49	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 410	59.68.0067	22u		EL 16V, 5.0*5.7
0 C 50	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 411	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 51	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 412	59.60.3315	1n5		CER 50V, 10%, X7R, 0805
0 C 101	59.60.2257	220p		CER 50V, 5%, C0G, 0603	0 C 413	59.60.2257	220p		CER 50V, 5%, C0G, 0603
0 C 102	59.60.2257	220p		CER 50V, 5%, C0G, 0603	0 C 414	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 103	59.68.0027	47u		EL 6V, 5.0*5.7	0 C 415	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 104	59.05.1221	220p		PP, 1%, 630V	0 C 416	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 105	59.60.3317	2n2		CER 50V, 10%, X7R, 0805	0 C 417	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 106	59.68.0073	220u		EL 16V, 8.0*10.7	0 D 1	50.60.8001	4448		200mA 75V 4ns SOD 80
0 C 107	59.60.2233	22p		CER 50V, 5%, C0G, 0603	0 D 2	not used	BAS85		200mA 30V Schottky SOD 80
0 C 108	59.05.1221	220p		PP, 1%, 630V	0 D 3	not used	BAS85		200mA 30V Schottky SOD 80
0 C 109	59.60.2233	22p		CER 50V, 5%, C0G, 0603	0 D 4	50.60.8001	4448		200mA 75V 4ns SOD 80
0 C 110	59.68.0067	22u		EL 16V, 5.0*5.7	0 D 5	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0 C 111	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 D 6	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0 C 112	59.60.3315	1n5		CER 50V, 10%, X7R, 0805	0 DL 1	50.04.2200	HLMP1700		DL HLMP - 1700 RT
0 C 113	59.60.2257	220p		CER 50V, 5%, C0G, 0603	0 DL 2	50.04.2200	HLMP1700		DL HLMP - 1700 RT
0 C 114	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 3	not used	HLMP1700		DL HLMP - 1700 RT
0 C 115	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 4	not used	HLMP1700		DL HLMP - 1700 RT
0 C 116	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 5	50.04.2200	HLMP1700		DL HLMP - 1700 RT
0 C 117	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 6	50.04.2200	HLMP1700		DL HLMP - 1700 RT
0 C 118	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 7	not used	HLMP1719		DL HLMP - 1719 GB
0 C 119	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 8	not used	HLMP1790		DL HLMP - 1790 GN
0 C 120	59.68.0067	22u		EL 16V, 5.0*5.7	0 DL 9	50.04.2202	HLMP1790		DL HLMP - 1790 GN
0 C 121	59.68.0065	10u		EL 16V, 4.0*5.7	0 DL 10	50.04.2202	HLMP1790		DL HLMP - 1790 GN
0 C 122	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DV 1	50.60.9026	24V		5%, 0.2W, SOT 23
0 C 123	59.60.3337	100n		CER 50V, 10%, X7R, 0805	2 DV 2	50.04.1108	5V8		Zener, 5%, 0.5W, DO-35
0 C 124	59.60.3441	220n		CER 50V, 10%, X7R, 1206	0 IC 1	50.62.1423	74HC423		Dual multivibr monost retrigg
0 C 125	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 2	50.62.0913	CS8412		AES-Receiver
0 C 126	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 3	50.62.1904	74HCU04		Hex inverter unbuffered
0 C 127	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 4	50.15.0127	34C87		IC DS 34 C 87 TN, MC34C87P A
0 C 128	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 5	50.15.0127	34C87		IC DS 34 C 87 TN, MC34C87P A
0 C 129	59.60.3441	220n		CER 50V, 10%, X7R, 1206	0 IC 6	50.62.1153	74HC153		Dual 4ch multiplexer
0 C 201	59.60.2257	220p		CER 50V, 5%, C0G, 0603	0 IC 7	50.15.0128	34C86		IC DS 34 C 86 TN, MC34C86P A
0 C 202	59.60.2257	220p		CER 50V, 5%, C0G, 0603	0 IC 8	not used	LM393		Dual voltage comp. SO 8
0 C 203	59.68.0027	47u		EL 6V, 5.0*5.7	0 IC 9	50.10.0104	LM317SP		Series regulator 1.5A...+37V
0 C 204	59.05.1221	220p		PP, 1%, 630V	0 IC 10	not used	56004		DSP 56 004 40MHz
0 C 205	59.60.3317	2n2		CER 50V, 10%, X7R, 0805	0 IC 11	50.06.0595	74LS595		SN 74 LS 595 N
0 C 206	59.68.0073	220u		EL 16V, 8.0*10.7	0 IC 12	50.06.0595	74LS595		SN 74 LS 595 N
0 C 207	59.60.2233	22p		CER 50V, 5%, C0G, 0603	0 IC 13	not used	29F010		Flash Memory 128K*8

C4AD/24, 24 Bit A/D 1.940.562.20 (2)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 IC 14	1.940.949.20			SW 562 MICADOR (50.63.4205)	0 R 14	57.60.1270		27R	MF, 1%, 0204, E24
0 IC 15	50.62.6014		74ACT 14	Hex inverting Schmitt trigger	0 R 15	57.60.1270		27R	MF, 1%, 0204, E24
0 IC 16	50.14.1009		7C128A	SRAM 2K*8 35ns	0 R 16	57.92.7053		1.6A	PTC 30V
0 IC 17	1.940.948.20			SW 562 ADCBIT 24 (50.63.1303)	0 R 17	57.60.1102		1k0	MF, 1%, 0204, E24
0 IC 101	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 18	57.60.1102		1k0	MF, 1%, 0204, E24
0 IC 102	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 19	57.60.1103		10k	MF, 1%, 0204, E24
0 IC 103	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 20	57.60.1105		1M	MF, 1%, 0204, E24
0 IC 104	50.61.8105		AK5392	A/D Converter 24bit DS SOP28	0 R 21	57.60.1333		33k	MF, 1%, 0204, E24
0 IC 201	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 22	57.60.1222		2k2	MF, 1%, 0204, E24
0 IC 202	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 23	57.60.1103		10k	MF, 1%, 0204, E24
0 IC 301	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 24	57.60.1220		22R	MF, 1%, 0204, E24
0 IC 302	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 25	57.60.1270		27R	MF, 1%, 0204, E24
0 IC 303	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 26	57.60.1220		22R	MF, 1%, 0204, E24
0 IC 304	50.61.8105		AK5392	A/D Converter 24bit DS SOP28	0 R 27	57.60.1270		27R	MF, 1%, 0204, E24
0 IC 401	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 28	57.60.1000		0R0	MF, 0204
0 IC 402	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 29	57.60.1000		0R0	MF, 0204
0 J 1	54.11.2009		96p	EU-R 3*32p	0 R 30			not used	10k
0 J 2	not used		Jumper	0.63*0.63mm, Au	0 R 31	57.60.1103		10k	MF, 1%, 0204, E24
0 J 3	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 32	57.60.1333		33k	MF, 1%, 0204, E24
0 J 4	not used		Jumper	0.63*0.63mm, Au	0 R 33	57.60.1333		33k	MF, 1%, 0204, E24
0 J 5	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 34	57.60.1221		220R	MF, 1%, 0204, E24
0 J 6	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 35	57.60.1221		220R	MF, 1%, 0204, E24
0 J 101	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 36	57.60.1103		10k	MF, 1%, 0204, E24
0 J 201	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 37			not used	1k0
0 J 301	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 38			not used	560R
0 J 401	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 39			not used	10k
0 L 1	62.03.0010		48uH	2A Toroid Chocke	0 R 40			not used	10k
0 L 2	62.03.0010		48uH	2A Toroid Chocke	0 R 41	57.60.1103		10k	MF, 1%, 0204, E24
0 MP 1	1.940.562.11			D19M 24 BIT AD BOARD PCB	0 R 42			not used	10k
0 MP 2	1.940.562.04			TYPENSCHILD	0 R 43			not used	220R
0 MP 3	43.01.0108		Label	ESE-WARNschild	0 R 44			not used	22k
0 MP 4	1.101.001.20		Label	TEXT-ETIK 5*20 HARDWARE -20	0 R 45			not used	10k
2 MP 7	50.04.1108		5V6	Zener, 5%, 0.5W, DO-35	0 R 46			not used	1M
0 MP 10	1.940.562.01 1 pce			FRONTPLATTE C4AD 24BIT	0 R 47	57.60.1102		1k0	MF, 1%, 0204, E24
0 MP 11	1.940.600.04 1 pce			GRIFFEINLAGE 4TE	0 R 48	57.60.1302		3k0	MF, 1%, 0204, E24
0 MP 12	49.02.0520 2 pcs		M2.5*12	Rändelschraube (Rack)	0 R 49			not used	1k0
0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)	0 R 50	57.60.1220		22R	MF, 1%, 0204, E24
0 MP 14	49.02.0522 2 pcs			Kartenhalter mit Z-Schr	0 R 51	57.60.1104		100k	MF, 1%, 0204, E24
0 MP 15	49.02.0523 1 pce		M2.5*7	Senk-Schr, KS, Senkripp	0 R 52	57.60.1105		1M	MF, 1%, 0204, E24
0 MP 16	49.02.0504 1 pce		4TE	Frontplatten-Griff	0 R 53	57.60.1102		1k0	MF, 1%, 0204, E24
1 MP 17	not used 2 pcs		M2.5*6	Z-Schraube Inbus Zn gb chr	0 R 54	57.60.1821		820R	MF, 1%, 0204, E24
				Schraube ist in MP14 (49.02.0522 Kartenhalter) enthalten	0 R 55	57.60.1000		0R0	MF, 0204
0 MP 18	21.53.0284 1 pce		M2.5*16	Z-Schraube Inbus Zn gb chr	0 R 56	57.92.7019		0.4A	PTC 60V
0 MP 19	28.99.0119 2 pcs			ROHRNIETE D 2.5*0.15' 9	0 R 57	57.92.7019		0.4A	PTC 60V
0 MP 20	50.20.3004			Kühlkörper, TO 220, horizontal	0 R 58	57.60.1103		10k	MF, 1%, 0204, E24
2 MP 21	43.10.0110		A	Revisions-Etikette 5mm h'blau	0 R 59	57.60.1103		10k	MF, 1%, 0204, E24
0 P 1	not used		1p	Pin, 1reihig, gerade	0 R 60	57.60.1683		68k	MF, 1%, 0204, E24
0 P 2	not used		1p	Pin, 1reihig, gerade	0 R 61	57.60.1562		5k6	MF, 1%, 0204, E24
0 P 3	not used		1p	Pin, 1reihig, gerade	0 R 62	57.60.1103		10k	MF, 1%, 0204, E24
0 P 4	not used		1p	Pin, 1reihig, gerade	0 R 63	57.60.1475		4M7	MF, 1%, 0204, E24
0 P 5	not used		1p	Pin, 1reihig, gerade	0 R 64	57.60.1475		4M7	MF, 1%, 0204, E24
0 P 6	not used		1p	Pin, 1reihig, gerade	0 R 65	57.60.1106		10M	MF, 1%, 0204, E24
0 P 7	not used		1p	Pin, 1reihig, gerade	0 R 101	57.60.1152		1k5	MF, 1%, 0204, E24
0 P 8	not used		1p	Pin, 1reihig, gerade	0 R 102	57.60.1272		2k7	MF, 1%, 0204, E24
0 P 9	not used		1p	Pin, 1reihig, gerade	0 R 103	57.60.1122		1k2	MF, 1%, 0204, E24
0 P 10	not used		1p	Pin, 1reihig, gerade	0 R 104	57.60.1272		2k7	MF, 1%, 0204, E24
0 P 11	not used		1p	Pin, 1reihig, gerade	0 R 105	57.60.1821		820R	MF, 1%, 0204, E24
0 P 12	not used		1p	Pin, 1reihig, gerade	0 R 106	57.60.1472		4k7	MF, 1%, 0204, E24
0 P 13	54.01.0020		1p	Pin, 1reihig, gerade	0 R 107	57.60.1332		3k3	MF, 1%, 0204, E24
0 P 14	54.01.0020		1p	Pin, 1reihig, gerade	0 R 108	57.60.1222		2k2	MF, 1%, 0204, E24
0 P 15	54.01.0020		1p	Pin, 1reihig, gerade	0 R 109	57.60.1510		51R	MF, 1%, 0204, E24
0 P 16	not used		1p	Pin, 1reihig, gerade	0 R 110	57.60.1331		330R	MF, 1%, 0204, E24
0 P 17	not used		1p	Pin, 1reihig, gerade	0 R 111	57.60.1681		680R	MF, 1%, 0204, E24
0 P 18	not used		1p	Pin, 1reihig, gerade	0 R 112	57.60.1332		3k3	MF, 1%, 0204, E24
0 P 19	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0 R 113	57.60.1103		10k	MF, 1%, 0204, E24
0 P 101	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0 R 114	57.60.1102		1k0	MF, 1%, 0204, E24
0 P 201	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0 R 115	57.60.1333		33k	MF, 1%, 0204, E24
0 P 301	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0 R 116	57.60.1152		1k5	MF, 1%, 0204, E24
0 P 401	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0 R 117	57.60.1103		10k	MF, 1%, 0204, E24
0 Q 1	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0 R 118	57.60.1332		3k3	MF, 1%, 0204, E24
0 Q 2	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0 R 119	57.60.1332		3k3	MF, 1%, 0204, E24
0 Q 3	not used		BC847B	NPN 45V 100mA SOT 23	0 R 120	57.60.1222		2k2	MF, 1%, 0204, E24
0 Q 4	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0 R 121	57.60.1392		3k9	MF, 1%, 0204, E24
0 Q 5	50.60.1001		BC857B	PNP 45V 100mA SOT 23	0 R 122	57.60.1472		4k7	MF, 1%, 0204, E24
0 R 1	57.60.1102		1k0	MF, 1%, 0204, E24	0 R 123	57.60.1510		51R	MF, 1%, 0204, E24
0 R 2	57.60.1472		4k7	MF, 1%, 0204, E24	0 R 124	57.60.1103		10k	MF, 1%, 0204, E24
0 R 3	57.60.1333		33k	MF, 1%, 0204, E24	0 R 125	57.60.1229		2R2	MF, 1%, 0204, E24
0 R 4	57.60.1333		33k	MF, 1%, 0204, E24	0 R 201	57.60.1152		1k5	MF, 1%, 0204, E24
0 R 5	57.60.1333		33k	MF, 1%, 0204, E24	0 R 202	57.60.1272		2k7	MF, 1%, 0204, E24
0 R 6	57.60.1220		22R	MF, 1%, 0204, E24	0 R 203	57.60.1122		1k2	MF, 1%, 0204, E24
0 R 7	57.60.1102		1k0	MF, 1%, 0204, E24	0 R 204	57.60.1272		2k7	MF, 1%, 0204, E24
0 R 8	57.60.1102		1k0	MF, 1%, 0204, E24	0 R 205	57.60.1821		820R	MF, 1%, 0204, E24
0 R 9	57.60.1220		22R	MF, 1%, 0204, E24	0 R 206	57.60.1472		4k7	MF, 1%, 0204, E24
0 R 10	57.60.1823		82k	MF, 1%, 0204, E24	0 R 207	57.60.1332		3k3	MF, 1%, 0204, E24
0 R 11	57.60.1105		1M	MF, 1%, 0204, E24	0 R 208	57.60.1222		2k2	MF, 1%, 0204, E24
0 R 12	57.60.1222		2k2	MF, 1%, 0204, E24	0 R 209	57.60.1510		51R	MF, 1%, 0204, E24
0 R 13	57.60.1220		22R	MF, 1%, 0204, E24	0 R 210	57.60.1331		330R	MF, 1%, 0204, E24

C4AD/24, 24 Bit A/D 1.940.562.20 (2)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 211	57.60.1681	680R		MF, 1%, 0204, E24
0 R 212	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 213	57.60.1103	10k		MF, 1%, 0204, E24
0 R 214	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 215	57.60.1333	33k		MF, 1%, 0204, E24
0 R 216	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 217	57.60.1103	10k		MF, 1%, 0204, E24
0 R 218	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 219	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 220	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 221	57.60.1392	3k9		MF, 1%, 0204, E24
0 R 222	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 223	57.60.1510	51R		MF, 1%, 0204, E24
0 R 301	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 302	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 303	57.60.1122	1k2		MF, 1%, 0204, E24
0 R 304	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 305	57.60.1821	820R		MF, 1%, 0204, E24
0 R 306	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 307	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 308	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 309	57.60.1510	51R		MF, 1%, 0204, E24
0 R 310	57.60.1331	330R		MF, 1%, 0204, E24
0 R 311	57.60.1681	680R		MF, 1%, 0204, E24
0 R 312	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 313	57.60.1103	10k		MF, 1%, 0204, E24
0 R 314	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 315	57.60.1333	33k		MF, 1%, 0204, E24
0 R 316	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 317	57.60.1103	10k		MF, 1%, 0204, E24
0 R 318	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 319	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 320	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 321	57.60.1392	3k9		MF, 1%, 0204, E24
0 R 322	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 323	57.60.1510	51R		MF, 1%, 0204, E24
0 R 324	57.60.1229	2R2		MF, 1%, 0204, E24
0 R 325	57.60.1103	10k		MF, 1%, 0204, E24
0 R 401	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 402	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 403	57.60.1122	1k2		MF, 1%, 0204, E24
0 R 404	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 405	57.60.1821	820R		MF, 1%, 0204, E24
0 R 406	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 407	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 408	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 409	57.60.1510	51R		MF, 1%, 0204, E24
0 R 410	57.60.1331	330R		MF, 1%, 0204, E24
0 R 411	57.60.1681	680R		MF, 1%, 0204, E24
0 R 412	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 413	57.60.1103	10k		MF, 1%, 0204, E24
0 R 414	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 415	57.60.1333	33k		MF, 1%, 0204, E24
0 R 416	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 417	57.60.1103	10k		MF, 1%, 0204, E24
0 R 418	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 419	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 420	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 421	57.60.1392	3k9		MF, 1%, 0204, E24
0 R 422	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 423	57.60.1510	51R		MF, 1%, 0204, E24
0 RA 101	58.05.1201	200R		10%, 0.5W, Cermet
0 RA 102	58.05.1202	2k0		10%, 0.5W, Cermet
0 RA 201	58.05.1201	200R		10%, 0.5W, Cermet
0 RA 202	58.05.1202	2k0		10%, 0.5W, Cermet
0 RA 301	58.05.1201	200R		10%, 0.5W, Cermet
0 RA 302	58.05.1202	2k0		10%, 0.5W, Cermet
0 RA 401	58.05.1201	200R		10%, 0.5W, Cermet
0 RA 402	58.05.1202	2k0		10%, 0.5W, Cermet
0 RZ 1	not used	10k		8*R Resistor-Netw 2% SIP9
0 RZ 2	not used	10k		8*R Resistor-Netw 2% SIP9
0 RZ 3	57.88.4103	10k		8*R Resistor-Netw 2% SIP9
0 S 1	not used	SPDT		Toggle 1 * on-none-on
0 S 2	55.11.0202	SPDT		Toggle 1 * on-none-on
0 T 1	1.022.647.00	1:1.4		OUTPUT TRAFO AES/EBU
0 T 2	1.022.647.00	1:1.4		OUTPUT TRAFO AES/EBU
0 T 3	1.022.647.00	1:1.4		OUTPUT TRAFO AES/EBU
0 T 4	1.022.647.00	1:1.4		OUTPUT TRAFO AES/EBU
0 T 5	1.022.632.00	1:1		DI/DO TRANSFORMER
0 T 101	1.022.454.00	1:0.175		EINGANGSTRAFO 1:0,175
0 T 201	1.022.454.00	1:0.175		EINGANGSTRAFO 1:0,175
0 T 301	1.022.454.00	1:0.175		EINGANGSTRAFO 1:0,175
0 T 401	1.022.454.00	1:0.175		EINGANGSTRAFO 1:0,175
0 TP 1	54.33.8010	2.8*0.8		PCB-Flachstecker, gerade
0 XDL 1	50.20.2501	Spacer		LED-Sockel
0 XDL 3	not used	Spacer		LED-Sockel
0 XDL 5	50.20.2501	Spacer		LED-Sockel

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 XDL 7	not used		Spacer	LED-Sockel
0 XDL 9	50.20.2501		Spacer	LED-Sockel
0 XDL 10	50.20.2501		Spacer	LED-Sockel
0 XIC 4	53.03.0168	16p		DIL 0.3", lötl, gerade
0 XIC 5	53.03.0168	16p		DIL 0.3", lötl, gerade
0 XIC 13	not used	32p		PLCC-Socket
0 XIC 14	53.03.2284	84p		PLCC-Socket
0 XIC 17	53.03.2232	32p		PLCC-Socket
0 XT 101	1.022.400.03			ISOLATION
0 XT 201	1.022.400.03			ISOLATION
0 XT 301	1.022.400.03			ISOLATION
0 XT 401	1.022.400.03			ISOLATION
0 XY 1	89.01.1499			QUARZ - ISOLIERPLATTE
0 XY 2	89.01.1499			QUARZ - ISOLIERPLATTE
0 Y 1	89.01.0559	11.289MHz		XTAL
0 Y 2	89.01.1015	12.288MHz		XTAL HC 49/U

End of List

- (1) 12.04.00 MP 17 not used
(2) 13.11.2000 Additionally D7 and MP21

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 208	59.05.1221	220p		PP, 1%, 630V
0 C 2	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 C 209	59.60.2233	22p		CER 50V, 5%, COG, 0603
0 C 3	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 210	59.68.0067	22u		EL 16V, 5.0*5.7
0 C 4	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 211	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 5	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 212	59.60.3315	1n5		CER 50V, 10%, X7R, 0805
0 C 6	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 C 213	59.60.2257	220p		CER 50V, 5%, COG, 0603
0 C 7	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 C 214	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 8	59.68.0111	22u		EL 35V, 6.3*5.7	0 C 215	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 9	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 C 216	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 10	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 217	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 11	59.60.2237	33p		CER 50V, 5%, COG, 0603	0 C 301	59.60.2257	220p		CER 50V, 5%, COG, 0603
0 C 12	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 302	59.60.2257	220p		CER 50V, 5%, COG, 0603
0 C 13	59.60.2237	33p		CER 50V, 5%, COG, 0603	0 C 303	59.68.0027	47u		EL 6V, 5.0*5.7
0 C 14	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 304	59.05.1221	220p		PP, 1%, 630V
0 C 15	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 C 305	59.60.3317	2n2		CER 50V, 10%, X7R, 0805
0 C 16	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 306	59.68.0073	220u		EL 16V, 8.0*10.7
0 C 17	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 C 307	59.60.2233	22p		CER 50V, 5%, COG, 0603
0 C 18	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 308	59.05.1221	220p		PP, 1%, 630V
0 C 19	59.68.0067	22u		EL 16V, 5.0*5.7	0 C 309	59.60.2233	22p		CER 50V, 5%, COG, 0603
0 C 20	59.68.0111	22u		EL 35V, 6.3*5.7	0 C 310	59.68.0067	22u		EL 16V, 5.0*5.7
0 C 21	59.60.2237	33p		CER 50V, 5%, COG, 0603	0 C 311	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 22	59.60.2237	33p		CER 50V, 5%, COG, 0603	0 C 312	59.60.3315	1n5		CER 50V, 10%, X7R, 0805
0 C 23	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 313	59.60.2257	220p		CER 50V, 5%, COG, 0603
0 C 24	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 C 314	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 25	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 315	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 26	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 C 316	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 27	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 317	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 28	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 318	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 29	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 319	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 30	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 320	59.68.0067	22u		EL 16V, 5.0*5.7
0 C 31	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 321	59.68.0065	10u		EL 16V, 4.0*5.7
0 C 32	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 322	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 33	59.68.0111	22u		EL 35V, 6.3*5.7	0 C 323	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 34	59.68.0067	22u		EL 16V, 5.0*5.7	0 C 324	59.60.3441	220n		CER 50V, 10%, X7R, 1206
0 C 35	59.68.0065	10u		EL 16V, 4.0*5.7	0 C 325	59.68.0065	10u		EL 16V, 4.0*5.7
0 C 36	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 326	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 37	59.60.3845	470n		CER 50V, 10%, X7R, 2220	0 C 327	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 38	59.68.0067	22u		EL 16V, 5.0*5.7	0 C 328	59.68.0065	10u		EL 16V, 4.0*5.7
0 C 39	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 329	59.60.3441	220n		CER 50V, 10%, X7R, 1206
0 C 40	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 401	59.60.2257	220p		CER 50V, 5%, COG, 0603
0 C 41	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 402	59.60.2257	220p		CER 50V, 5%, COG, 0603
0 C 42	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 403	59.68.0027	47u		EL 6V, 5.0*5.7
0 C 43	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 404	59.05.1221	220p		PP, 1%, 630V
0 C 44	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 405	59.60.3317	2n2		CER 50V, 10%, X7R, 0805
0 C 45	59.68.0107	4u7		EL 35V, 4.0*5.7	0 C 406	59.68.0073	220u		EL 16V, 8.0*10.7
0 C 46	59.68.0111	22u		EL 35V, 6.3*5.7	0 C 407	59.60.2233	22p		CER 50V, 5%, COG, 0603
0 C 47	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 408	59.05.1221	220p		PP, 1%, 630V
0 C 48	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 409	59.60.2233	22p		CER 50V, 5%, COG, 0603
0 C 49	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 410	59.68.0067	22u		EL 16V, 5.0*5.7
0 C 50	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 411	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 51	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 C 412	59.60.3315	1n5		CER 50V, 10%, X7R, 0805
0 C 101	59.60.2257	220p		CER 50V, 5%, COG, 0603	0 C 413	59.60.2257	220p		CER 50V, 5%, COG, 0603
0 C 102	59.60.2257	220p		CER 50V, 5%, COG, 0603	0 C 414	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 103	59.68.0027	47u		EL 6V, 5.0*5.7	0 C 415	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 104	59.05.1221	220p		PP, 1%, 630V	0 C 416	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 105	59.60.3317	2n2		CER 50V, 10%, X7R, 0805	0 C 417	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0 C 106	59.68.0073	220u		EL 16V, 8.0*10.7	0 D 1	50.60.8001	4448		200mA 75V 4ns SOD 80
0 C 107	59.60.2233	22p		CER 50V, 5%, COG, 0603	0 D 2	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0 C 108	59.05.1221	220p		PP, 1%, 630V	0 D 3	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0 C 109	59.60.2233	22p		CER 50V, 5%, COG, 0603	0 D 4	50.60.8001	4448		200mA 75V 4ns SOD 80
0 C 110	59.68.0067	22u		EL 16V, 5.0*5.7	0 D 5	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0 C 111	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 D 6	50.60.8101	BAS85		200mA 30V Schottky SOD 80
0 C 112	59.60.3315	1n5		CER 50V, 10%, X7R, 0805	0 DL 1	50.04.2200	HLMP1700		DL HLMP - 1700 RT
0 C 113	59.60.2257	220p		CER 50V, 5%, COG, 0603	0 DL 2	50.04.2200	HLMP1700		DL HLMP - 1700 RT
0 C 114	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 3	50.04.2200	HLMP1700		DL HLMP - 1700 RT
0 C 115	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 4	50.04.2200	HLMP1700		DL HLMP - 1700 RT
0 C 116	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 5	not used	HLMP1700		DL HLMP - 1700 RT
0 C 117	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 6	not used	HLMP1700		DL HLMP - 1700 RT
0 C 118	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 7	50.04.2201	HLMP1719		DL HLMP - 1719 GB
0 C 119	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 8	50.04.2202	HLMP1790		DL HLMP - 1790 GN
0 C 120	59.68.0067	22u		EL 16V, 5.0*5.7	0 DL 9	50.04.2202	HLMP1790		DL HLMP - 1790 GN
0 C 121	59.68.0065	10u		EL 16V, 4.0*5.7	0 DL 10	50.04.2202	HLMP1790		DL HLMP - 1790 GN
0 C 122	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DV 1	50.60.9026	24V		5%, 0.2W, SOT 23
0 C 123	59.60.3337	100n		CER 50V, 10%, X7R, 0805	2 DV 2	50.04.1108	5V6		Zener, 5%, 0.5W, DO-35
0 C 124	59.60.3441	220n		CER 50V, 10%, X7R, 1206	0 IC 1	50.62.1423	74HC423		Dual multiVibr monost retrigg
0 C 125	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 2	50.62.0913	CS8412		AES-Receiver
0 C 126	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 3	50.62.1904	74HCU04		Hex Inverter unbuffered
0 C 127	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 4	50.15.0127	34C87		IC DS 34 C 87 TN, MC34C87P, A
0 C 128	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 5	50.15.0127	34C87		IC DS 34 C 87 TN, MC34C87P, A
0 C 129	59.60.3441	220n		CER 50V, 10%, X7R, 1206	0 IC 6	50.62.1153	74HC153		Dual 4ch multiplexer
0 C 201	59.60.2257	220p		CER 50V, 5%, COG, 0603	0 IC 7	50.15.0128	34C86		IC DS 34 C 86 TN, MC34C86P, A
0 C 202	59.60.2257	220p		CER 50V, 5%, COG, 0603	0 IC 8	50.61.9001	LM393		Dual voltage comp. SO 8
0 C 203	59.68.0027	47u		EL 6V, 5.0*5.7	0 IC 9	50.10.0104	LM317SP		Series regulator 1.5A, ...+37V
0 C 204	59.05.1221	220p		PP, 1%, 630V	0 IC 10	50.63.0404	56004		DSP 56 004 40MHz
0 C 205	59.60.3317	2n2		CER 50V, 10%, X7R, 0805	0 IC 11	50.08.0595	74LS595		SN 74 LS 595 N
0 C 206	59.68.0073	220u		EL 16V, 8.0*10.7	0 IC 12	50.08.0595	74LS595		SN 74 LS 595 N
0 C 207	59.60.2233	22p		CER 50V, 5%, COG, 0603	0 IC 13	1.940.978.20			SW 561 Dither+NS (50.63.1303)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 IC 14	1.940.949.20			SW 562 MICADOR (50.63.4205)	0 R 15	57.60.1270	27R		MF, 1%, 0204, E24
0 IC 15	50.62.6014		74ACT 14	Hex inverting Schmitt trigger	0 R 16	57.92.7053	1.6A		PTC 30V
0 IC 16	50.14.1009		7C128A	SRAM 2K*8 35ns	0 R 17	57.60.1102	1k0		MF, 1%, 0204, E24
0 IC 17	1.940.948.20			SW 562 ADCBIT 24 (50.63.1303)	0 R 18	57.60.1102	1k0		MF, 1%, 0204, E24
0 IC 101	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 19	57.60.1103	10k		MF, 1%, 0204, E24
0 IC 102	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 20	57.60.1105	1M		MF, 1%, 0204, E24
0 IC 103	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 21	57.60.1333	33k		MF, 1%, 0204, E24
0 IC 104	50.61.8105		AK5392	A/D Converter 24bit DS SOP28	0 R 22	57.60.1222	2k2		MF, 1%, 0204, E24
0 IC 201	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 23	57.60.1103	10k		MF, 1%, 0204, E24
0 IC 202	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 24	57.60.1220	22R		MF, 1%, 0204, E24
0 IC 301	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 25	57.60.1270	27R		MF, 1%, 0204, E24
0 IC 302	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 26	57.60.1220	22R		MF, 1%, 0204, E24
0 IC 303	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 27	57.60.1270	27R		MF, 1%, 0204, E24
0 IC 304	50.61.8105		AK5392	A/D Converter 24bit DS SOP28	0 R 28	not used	0R0		MF, 0204
0 IC 401	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 29	not used	0R0		MF, 0204
0 IC 402	50.61.0204		MC33078	Dual Op-Amp low noise	0 R 30	57.60.1103	10k		MF, 1%, 0204, E24
0 J 1	54.11.2009		96p	EU-R 3*32p	0 R 31	57.60.1103	10k		MF, 1%, 0204, E24
0 J 2	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 32	57.60.1333	33k		MF, 1%, 0204, E24
0 J 3	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 33	57.60.1333	33k		MF, 1%, 0204, E24
0 J 4	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 34	57.60.1221	220R		MF, 1%, 0204, E24
0 J 5	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 35	57.60.1221	220R		MF, 1%, 0204, E24
0 J 6	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 36	57.60.1103	10k		MF, 1%, 0204, E24
0 J 101	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 37	57.60.1102	1k0		MF, 1%, 0204, E24
0 J 201	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 38	57.60.1561	560R		MF, 1%, 0204, E24
0 J 301	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 39	57.60.1103	10k		MF, 1%, 0204, E24
0 J 401	54.01.0021		Jumper	0.63*0.63mm, Au	0 R 40	57.60.1103	10k		MF, 1%, 0204, E24
0 L 1	62.03.0010		48uH	2A Toroid Chocke	0 R 41	57.60.1103	10k		MF, 1%, 0204, E24
0 L 2	62.03.0010		48uH	2A Toroid Chocke	0 R 42	57.60.1103	10k		PTC
0 MP 1	1.940.562.11			D19M 24 BIT AD BOARD PCB	0 R 43	57.60.1221	220R		MF, 1%, 0204, E24
0 MP 2	1.940.563.04			TYPENSCHILD	0 R 44	57.60.1223	22k		MF, 1%, 0204, E24
0 MP 3	43.01.0108		Label	ESE-WARNschild	0 R 45	57.60.1103	10k		MF, 1%, 0204, E24
0 MP 4	1.101.001.20		Label	TEXT-ETIK. 5*20 HARDWARE -20	0 R 46	57.60.1105	1M		MF, 1%, 0204, E24
0 MP 10	1.940.563.01 1 pce			FRONTPLATTE C4AD NS 24BIT	0 R 47	57.60.1102	1k0		MF, 1%, 0204, E24
0 MP 11	1.940.600.04 1 pce			GRIFFEINLAGE 4TE	0 R 48	57.60.1302	3k0		MF, 1%, 0204, E24
0 MP 12	49.02.0520 2 pcs		M2.5*12	Rändelschraube (Rack)	0 R 49	57.60.1102	1k0		MF, 1%, 0204, E24
0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)	0 R 50	57.60.1220	22R		MF, 1%, 0204, E24
0 MP 14	49.02.0522 2 pcs			Kartenhalter mit Z-Schr	0 R 51	57.60.1104	100k		MF, 1%, 0204, E24
0 MP 15	49.02.0523 1 pce		M2.5*7	Senk-Schr, KS, Senkripp	0 R 52	57.60.1105	1M		MF, 1%, 0204, E24
0 MP 16	49.02.0504 1 pce		4TE	Frontplatten-Griff	0 R 53	57.60.1102	1k0		MF, 1%, 0204, E24
1 MP 17	not used 2 pcs		M2.5*6	Z-Schraube Inbus Zn gb chr	0 R 54	57.60.1821	820R		MF, 1%, 0204, E24
				Schraube ist in MP14 (49.02.0522 Kartenhalter) enthalten	0 R 55	57.60.1000	0R0		MF, 0204
0 MP 18	21.53.0284 1 pce		M2.5*16	Z-Schraube Inbus Zn gb chr	0 R 56	57.92.7019	0.4A		PTC 60V
0 MP 19	28.99.0119 2 pcs			ROHRNIETE D 2.5*0.15° 9	0 R 57	57.92.7019	0.4A		PTC 60V
0 MP 20	50.20.3004			Kühlkörper, TO 220, horizontal	0 R 58	57.60.1103	10k		MF, 1%, 0204, E24
2 MP 21	43.10.0110		A	Revisions-Etikette 5mm h/blau	0 R 59	57.60.1103	10k		MF, 1%, 0204, E24
0 P 1	not used		1p	Pin, 1reihig, gerade	0 R 60	57.60.1683	68k		MF, 1%, 0204, E24
0 P 2	not used		1p	Pin, 1reihig, gerade	0 R 61	57.60.1562	5k6		MF, 1%, 0204, E24
0 P 3	not used		1p	Pin, 1reihig, gerade	0 R 62	57.60.1103	10k		MF, 1%, 0204, E24
0 P 4	not used		1p	Pin, 1reihig, gerade	0 R 63	57.60.1475	4M7		MF, 1%, 0204, E24
0 P 5	not used		1p	Pin, 1reihig, gerade	0 R 64	57.60.1475	4M7		MF, 1%, 0204, E24
0 P 6	not used		1p	Pin, 1reihig, gerade	0 R 65	57.60.1106	10M		MF, 1%, 0204, E24
0 P 7	not used		1p	Pin, 1reihig, gerade	0 R 101	57.60.1152	1k5		MF, 1%, 0204, E24
0 P 8	54.01.0020		1p	Pin, 1reihig, gerade	0 R 102	57.60.1272	2k7		MF, 1%, 0204, E24
0 P 9	54.01.0020		1p	Pin, 1reihig, gerade	0 R 103	57.60.1122	1k2		MF, 1%, 0204, E24
0 P 10	54.01.0020		1p	Pin, 1reihig, gerade	0 R 104	57.60.1272	2k7		MF, 1%, 0204, E24
0 P 11	54.01.0020		1p	Pin, 1reihig, gerade	0 R 105	57.60.1821	820R		MF, 1%, 0204, E24
0 P 12	54.01.0020		1p	Pin, 1reihig, gerade	0 R 106	57.60.1472	4k7		MF, 1%, 0204, E24
0 P 13	54.01.0020		1p	Pin, 1reihig, gerade	0 R 107	57.60.1332	3k3		MF, 1%, 0204, E24
0 P 14	54.01.0020		1p	Pin, 1reihig, gerade	0 R 108	57.60.1222	2k2		MF, 1%, 0204, E24
0 P 15	54.01.0020		1p	Pin, 1reihig, gerade	0 R 109	57.60.1510	51R		MF, 1%, 0204, E24
0 P 16	54.01.0020		1p	Pin, 1reihig, gerade	0 R 110	57.60.1331	330R		MF, 1%, 0204, E24
0 P 17	54.01.0020		1p	Pin, 1reihig, gerade	0 R 111	57.60.1681	680R		MF, 1%, 0204, E24
0 P 18	54.01.0020		1p	Pin, 1reihig, gerade	0 R 112	57.60.1332	3k3		MF, 1%, 0204, E24
0 P 19	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0 R 113	57.60.1103	10k		MF, 1%, 0204, E24
0 P 101	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0 R 114	57.60.1102	1k0		MF, 1%, 0204, E24
0 P 201	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0 R 115	57.60.1333	33k		MF, 1%, 0204, E24
0 P 301	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0 R 116	57.60.1152	1k5		MF, 1%, 0204, E24
0 P 401	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54	0 R 117	57.60.1103	10k		MF, 1%, 0204, E24
0 Q 1	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0 R 118	57.60.1332	3k3		MF, 1%, 0204, E24
0 Q 2	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0 R 119	57.60.1332	3k3		MF, 1%, 0204, E24
0 Q 3	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0 R 120	57.60.1222	2k2		MF, 1%, 0204, E24
0 Q 4	50.60.0001		BC847B	NPN 45V 100mA SOT 23	0 R 121	57.60.1392	3k9		MF, 1%, 0204, E24
0 Q 5	50.60.1001		BC857B	PNP 45V 100mA SOT 23	0 R 122	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 1	57.60.1102		1k0	MF, 1%, 0204, E24	0 R 123	57.60.1510	51R		MF, 1%, 0204, E24
0 R 2	57.60.1472		4k7	MF, 1%, 0204, E24	0 R 124	57.60.1103	10k		MF, 1%, 0204, E24
0 R 3	57.60.1333		33k	MF, 1%, 0204, E24	0 R 125	57.60.1229	2R2		MF, 1%, 0204, E24
0 R 4	57.60.1333		33k	MF, 1%, 0204, E24	0 R 201	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 5	57.60.1333		33k	MF, 1%, 0204, E24	0 R 202	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 6	57.60.1220		22R	MF, 1%, 0204, E24	0 R 203	57.60.1122	1k2		MF, 1%, 0204, E24
0 R 7	57.60.1102		1k0	MF, 1%, 0204, E24	0 R 204	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 8	57.60.1102		1k0	MF, 1%, 0204, E24	0 R 205	57.60.1821	820R		MF, 1%, 0204, E24
0 R 9	57.60.1220		22R	MF, 1%, 0204, E24	0 R 206	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 10	57.60.1823		82k	MF, 1%, 0204, E24	0 R 207	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 11	57.60.1105		1M	MF, 1%, 0204, E24	0 R 208	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 12	57.60.1222		2k2	MF, 1%, 0204, E24	0 R 209	57.60.1510	51R		MF, 1%, 0204, E24
0 R 13	57.60.1220		22R	MF, 1%, 0204, E24	0 R 210	57.60.1331	330R		MF, 1%, 0204, E24
0 R 14	57.60.1270		27R	MF, 1%, 0204, E24	0 R 211	57.60.1681	680R		MF, 1%, 0204, E24

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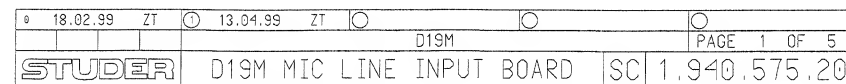
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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 212	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 213	57.60.1103	10k		MF, 1%, 0204, E24
0 R 214	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 215	57.60.1333	33k		MF, 1%, 0204, E24
0 R 216	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 217	57.60.1103	10k		MF, 1%, 0204, E24
0 R 218	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 219	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 220	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 221	57.60.1392	3k9		MF, 1%, 0204, E24
0 R 222	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 223	57.60.1510	51R		MF, 1%, 0204, E24
0 R 301	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 302	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 303	57.60.1122	1k2		MF, 1%, 0204, E24
0 R 304	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 305	57.60.1821	820R		MF, 1%, 0204, E24
0 R 306	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 307	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 308	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 309	57.60.1510	51R		MF, 1%, 0204, E24
0 R 310	57.60.1331	330R		MF, 1%, 0204, E24
0 R 311	57.60.1681	680R		MF, 1%, 0204, E24
0 R 312	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 313	57.60.1103	10k		MF, 1%, 0204, E24
0 R 314	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 315	57.60.1333	33k		MF, 1%, 0204, E24
0 R 316	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 317	57.60.1103	10k		MF, 1%, 0204, E24
0 R 318	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 319	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 320	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 321	57.60.1392	3k9		MF, 1%, 0204, E24
0 R 322	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 323	57.60.1510	51R		MF, 1%, 0204, E24
0 R 324	57.60.1229	2R2		MF, 1%, 0204, E24
0 R 325	57.60.1103	10k		MF, 1%, 0204, E24
0 R 401	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 402	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 403	57.60.1122	1k2		MF, 1%, 0204, E24
0 R 404	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 405	57.60.1821	820R		MF, 1%, 0204, E24
0 R 406	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 407	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 408	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 409	57.60.1510	51R		MF, 1%, 0204, E24
0 R 410	57.60.1331	330R		MF, 1%, 0204, E24
0 R 411	57.60.1681	680R		MF, 1%, 0204, E24
0 R 412	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 413	57.60.1103	10k		MF, 1%, 0204, E24
0 R 414	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 415	57.60.1333	33k		MF, 1%, 0204, E24
0 R 416	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 417	57.60.1103	10k		MF, 1%, 0204, E24
0 R 418	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 419	57.60.1332	3k3		MF, 1%, 0204, E24
0 R 420	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 421	57.60.1392	3k9		MF, 1%, 0204, E24
0 R 422	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 423	57.60.1510	51R		MF, 1%, 0204, E24
0 RA 101	58.05.1201	200R		10%, 0.5W, Cermet
0 RA 102	58.05.1202	2k0		10%, 0.5W, Cermet
0 RA 201	58.05.1201	200R		10%, 0.5W, Cermet
0 RA 202	58.05.1202	2k0		10%, 0.5W, Cermet
0 RA 301	58.05.1201	200R		10%, 0.5W, Cermet
0 RA 302	58.05.1202	2k0		10%, 0.5W, Cermet
0 RA 401	58.05.1201	200R		10%, 0.5W, Cermet
0 RA 402	58.05.1202	2k0		10%, 0.5W, Cermet
0 RZ 1	57.88.4103	10k		8*R Resistor-Netw 2% SIP9
0 RZ 2	57.88.4103	10k		8*R Resistor-Netw 2% SIP9
0 RZ 3	57.88.4103	10k		8*R Resistor-Netw 2% SIP9
0 S 1	55.11.0202	SPDT		Toggle 1 * on-none-on
0 S 2	55.11.0202	SPDT		Toggle 1 * on-none-on
0 T 1	1.022.647.00	1:1.4		OUTPUT TRAFO AES/EBU
0 T 2	1.022.647.00	1:1.4		OUTPUT TRAFO AES/EBU
0 T 3	1.022.647.00	1:1.4		OUTPUT TRAFO AES/EBU
0 T 4	1.022.647.00	1:1.4		OUTPUT TRAFO AES/EBU
0 T 5	1.022.632.00	1:1		DI/DO TRANSFORMER
0 T 101	1.022.454.00	1:0.175		EINGANGSTRAFO 1:0,175
0 T 201	1.022.454.00	1:0.175		EINGANGSTRAFO 1:0,175
0 T 301	1.022.454.00	1:0.175		EINGANGSTRAFO 1:0,175
0 T 401	1.022.454.00	1:0.175		EINGANGSTRAFO 1:0,175
0 TP 1	54.33.6010	2.8*0.8		PCB-Flachstecker, gerade
0 XDL 1	50.20.2501	Spacer		LED-Sockel
0 XDL 3	50.20.2501	Spacer		LED-Sockel
0 XDL 5	not used	Spacer		LED-Sockel
0 XDL 7	50.20.2501	Spacer		LED-Sockel

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 XDL 9	50.20.2501		Spacer	LED-Sockel
0 XDL 10	50.20.2501		Spacer	LED-Sockel
0 XIC 4	53.03.0168		16p	DIL 0.3", lötl, gerade
0 XIC 5	53.03.0168		16p	DIL 0.3", lötl, gerade
0 XIC 13	53.03.2232		32p	PLCC-Socket
0 XIC 14	53.03.2284		84p	PLCC-Socket
0 XIC 17	53.03.2232		32p	PLCC-Socket
0 XT 101	1.022.400.03			ISOLATION
0 XT 201	1.022.400.03			ISOLATION
0 XT 301	1.022.400.03			ISOLATION
0 XT 401	1.022.400.03			ISOLATION
0 XY 1	89.01.1499			QUARZ - ISOLIERPLATTE
0 XY 2	89.01.1499			QUARZ - ISOLIERPLATTE
0 Y 1	89.01.0559		11.289MHz	XTAL
0 Y 2	89.01.1015		12.288MHz	XTAL HC 49/U

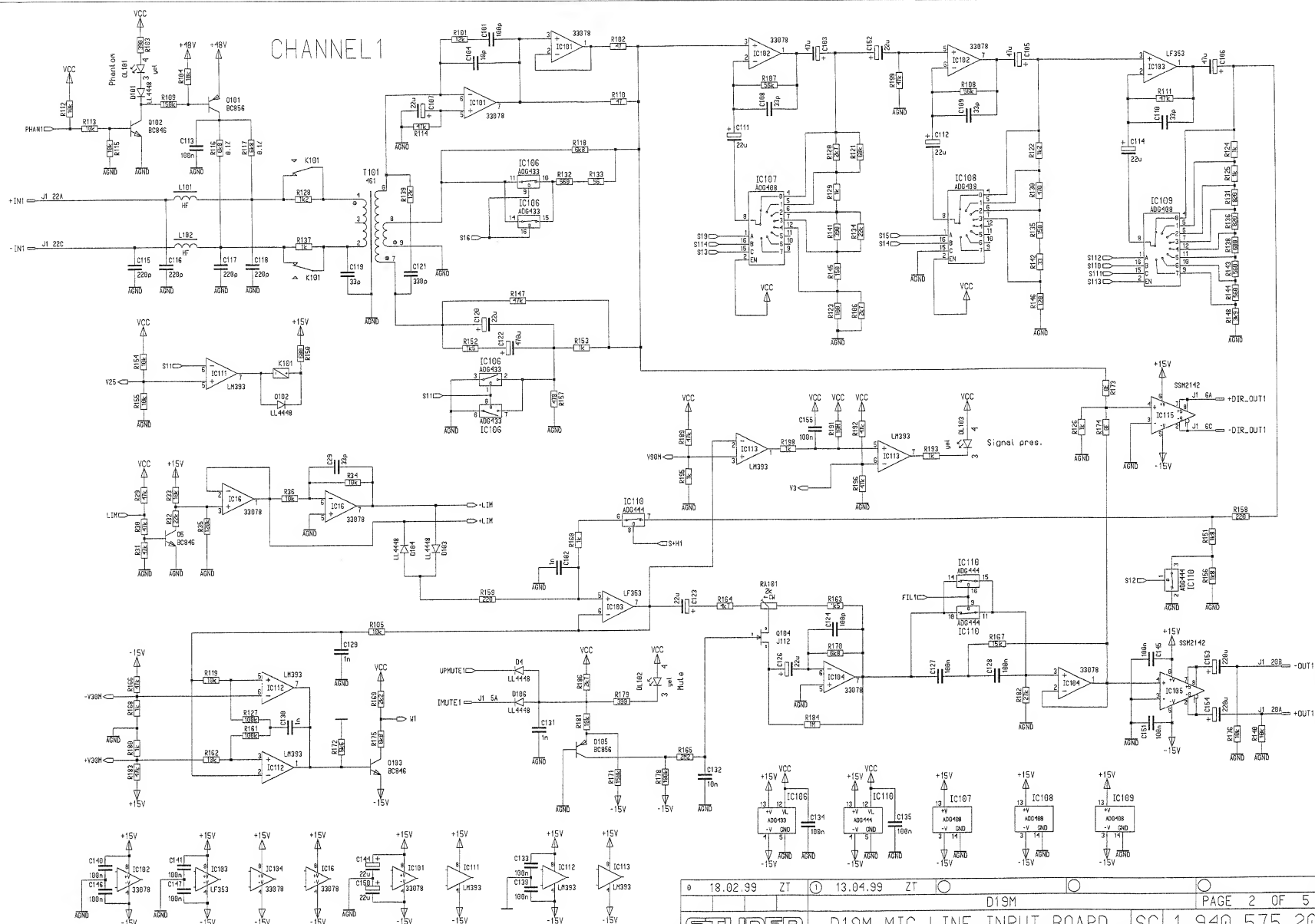
End of List

- (1) 12.04.00 MP 17 not used
(2) 13.11.00 Additionally D7 and MP21

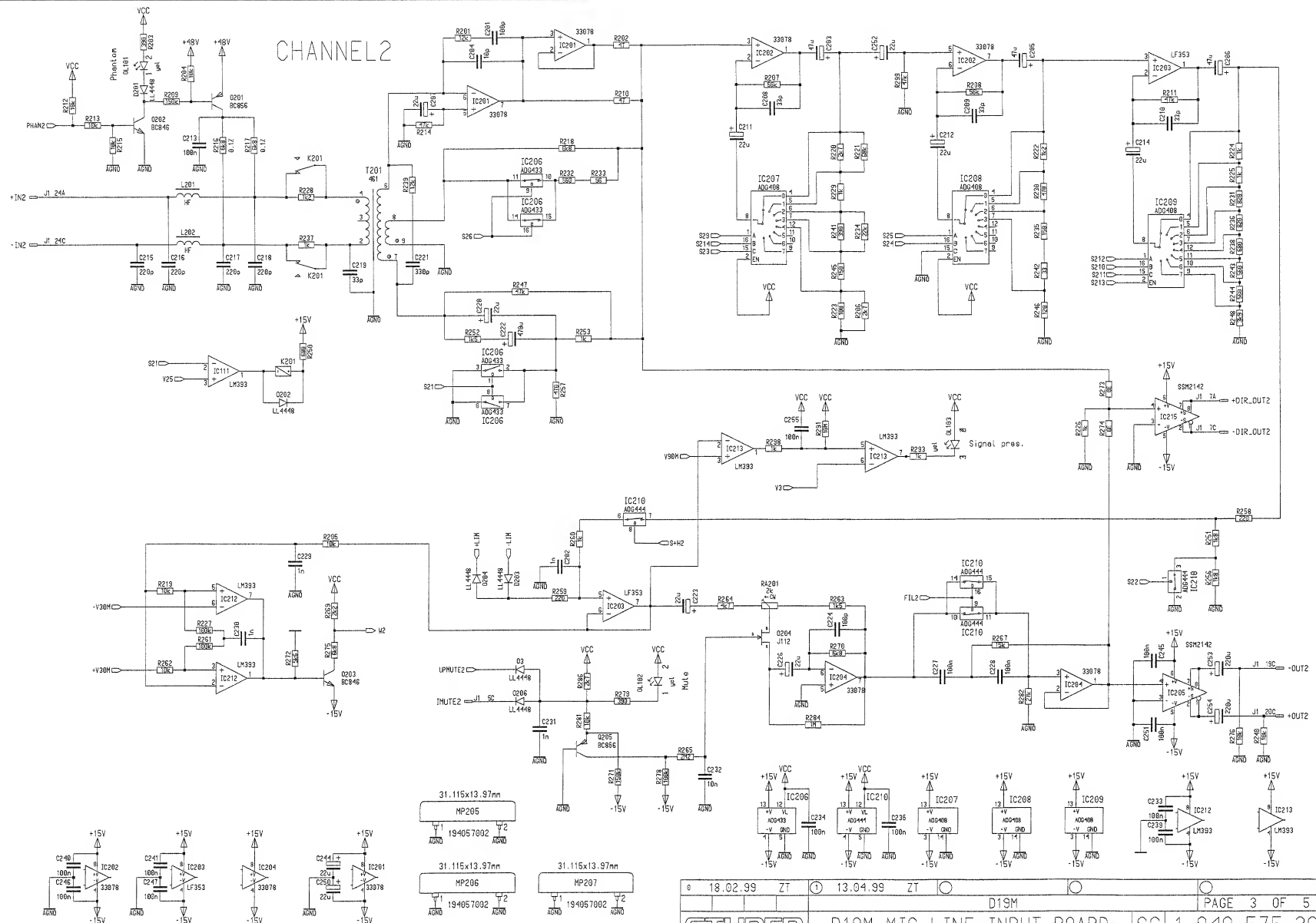




CHANNEL 1

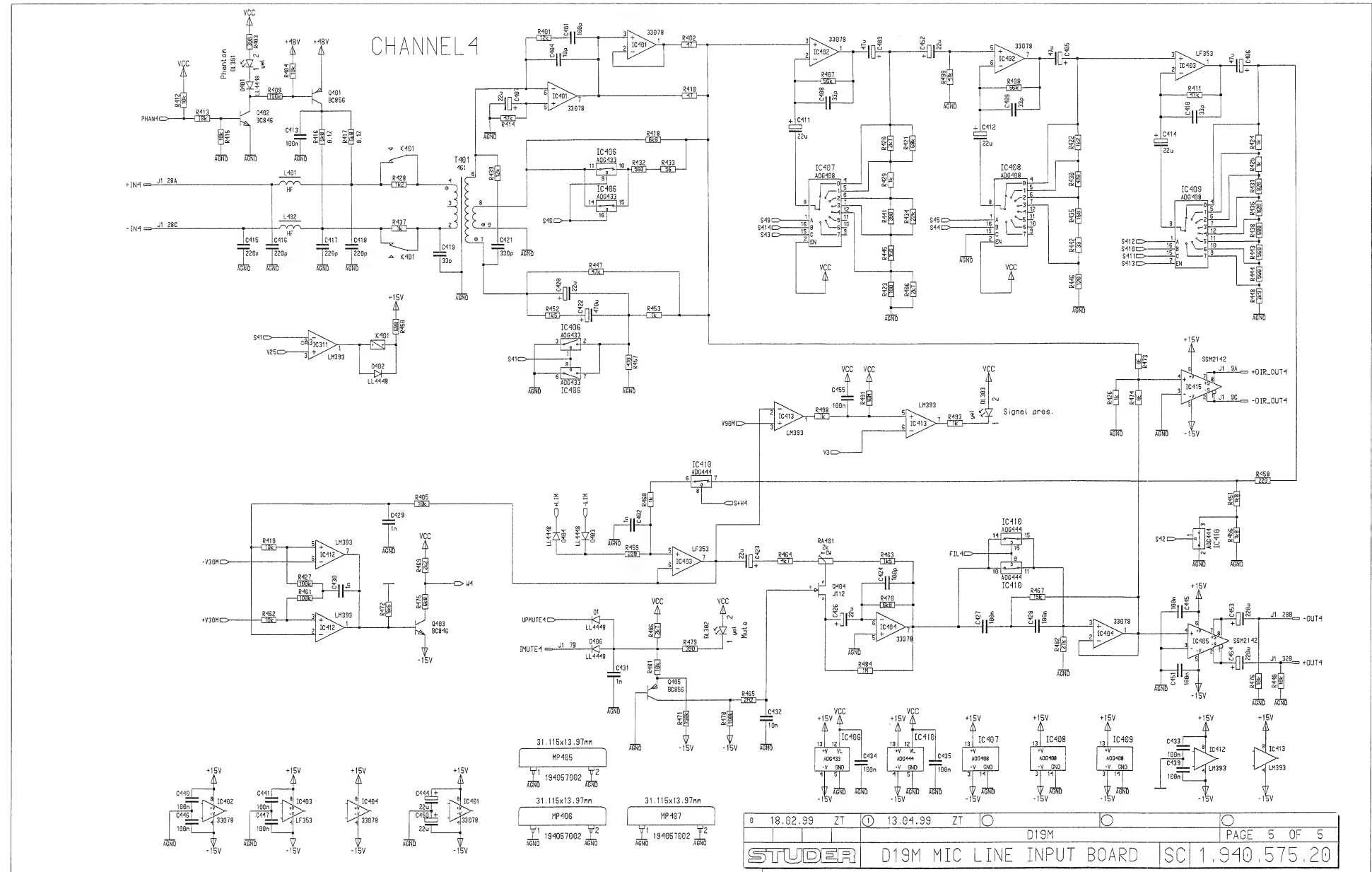


D19m Mic Line Input Board 1.940.575.20



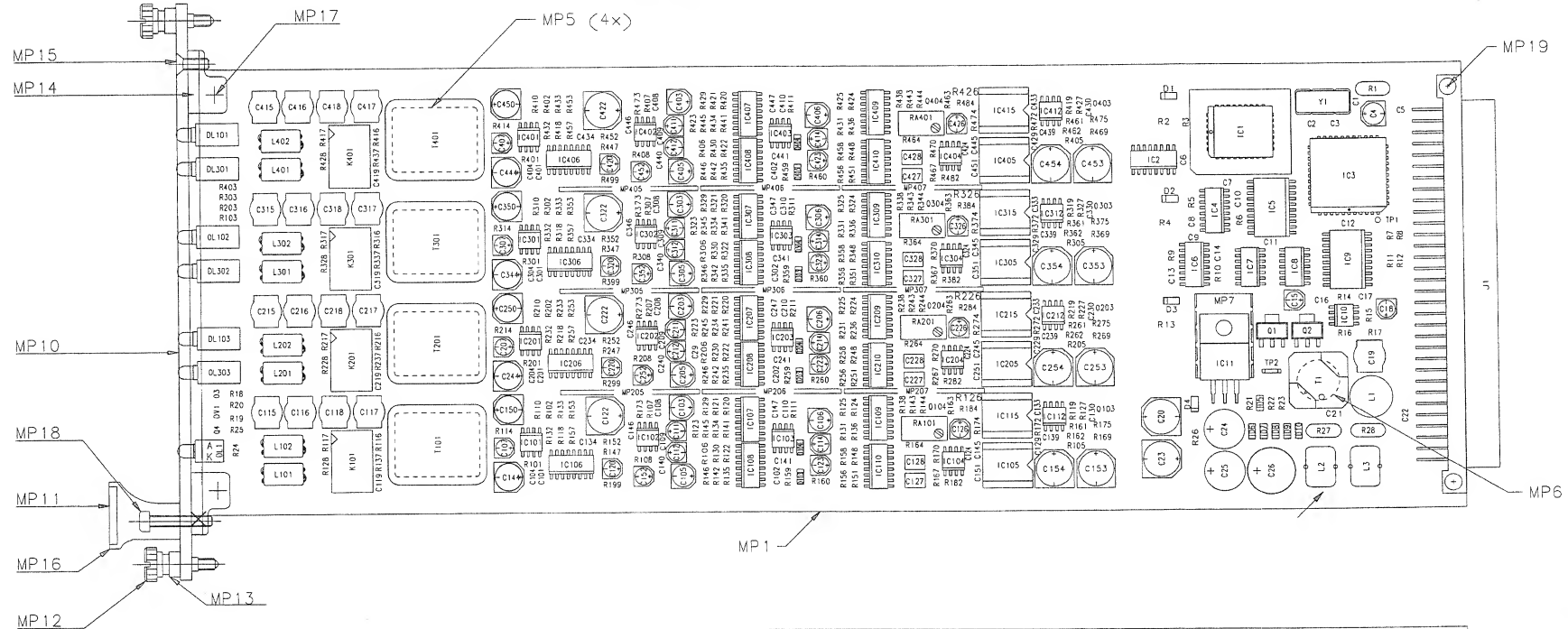


D19m Mic Line Input Board 1.940.575.20





D19m Mic Line Input Board 1.940.575.20



D106
D206
D306
D406

Part	Value	Unit	Notes
IC1	18 02 99 21	HL	HL
IC2	18 02 99 21	HL	HL
IC3	18 02 99 21	HL	HL
IC4	18 02 99 21	HL	HL
IC5	18 02 99 21	HL	HL
IC6	18 02 99 21	HL	HL
IC7	18 02 99 21	HL	HL
IC8	18 02 99 21	HL	HL
IC9	18 02 99 21	HL	HL
IC10	18 02 99 21	HL	HL
IC11	18 02 99 21	HL	HL
IC12	18 02 99 21	HL	HL
IC13	18 02 99 21	HL	HL
IC14	18 02 99 21	HL	HL
IC15	18 02 99 21	HL	HL
IC16	18 02 99 21	HL	HL
IC17	18 02 99 21	HL	HL
IC18	18 02 99 21	HL	HL
IC19	18 02 99 21	HL	HL
IC20	18 02 99 21	HL	HL
IC21	18 02 99 21	HL	HL
IC22	18 02 99 21	HL	HL
IC23	18 02 99 21	HL	HL
IC24	18 02 99 21	HL	HL
IC25	18 02 99 21	HL	HL
IC26	18 02 99 21	HL	HL
IC27	18 02 99 21	HL	HL
IC28	18 02 99 21	HL	HL
IC29	18 02 99 21	HL	HL
IC30	18 02 99 21	HL	HL
IC31	18 02 99 21	HL	HL
IC32	18 02 99 21	HL	HL
IC33	18 02 99 21	HL	HL
IC34	18 02 99 21	HL	HL
IC35	18 02 99 21	HL	HL
IC36	18 02 99 21	HL	HL
IC37	18 02 99 21	HL	HL
IC38	18 02 99 21	HL	HL
IC39	18 02 99 21	HL	HL
IC40	18 02 99 21	HL	HL
IC41	18 02 99 21	HL	HL
IC42	18 02 99 21	HL	HL
IC43	18 02 99 21	HL	HL
IC44	18 02 99 21	HL	HL
IC45	18 02 99 21	HL	HL
IC46	18 02 99 21	HL	HL
IC47	18 02 99 21	HL	HL
IC48	18 02 99 21	HL	HL
IC49	18 02 99 21	HL	HL
IC50	18 02 99 21	HL	HL
IC51	18 02 99 21	HL	HL
IC52	18 02 99 21	HL	HL
IC53	18 02 99 21	HL	HL
IC54	18 02 99 21	HL	HL
IC55	18 02 99 21	HL	HL
IC56	18 02 99 21	HL	HL
IC57	18 02 99 21	HL	HL
IC58	18 02 99 21	HL	HL
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IC60	18 02 99 21	HL	HL
IC61	18 02 99 21	HL	HL
IC62	18 02 99 21	HL	HL
IC63	18 02 99 21	HL	HL
IC64	18 02 99 21	HL	HL
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IC66	18 02 99 21	HL	HL
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IC70	18 02 99 21	HL	HL
IC71	18 02 99 21	HL	HL
IC72	18 02 99 21	HL	HL
IC73	18 02 99 21	HL	HL
IC74	18 02 99 21	HL	HL
IC75	18 02 99 21	HL	HL
IC76	18 02 99 21	HL	HL
IC77	18 02 99 21	HL	HL
IC78	18 02 99 21	HL	HL
IC79	18 02 99 21	HL	HL
IC80	18 02 99 21	HL	HL
IC81	18 02 99 21	HL	HL
IC82	18 02 99 21	HL	HL
IC83	18 02 99 21	HL	HL
IC84	18 02 99 21	HL	HL
IC85	18 02 99 21	HL	HL
IC86	18 02 99 21	HL	HL
IC87	18 02 99 21	HL	HL
IC88	18 02 99 21	HL	HL
IC89	18 02 99 21	HL	HL
IC90	18 02 99 21	HL	HL
IC91	18 02 99 21	HL	HL
IC92	18 02 99 21	HL	HL
IC93	18 02 99 21	HL	HL
IC94	18 02 99 21	HL	HL
IC95	18 02 99 21	HL	HL
IC96	18 02 99 21	HL	HL
IC97	18 02 99 21	HL	HL
IC98	18 02 99 21	HL	HL
IC99	18 02 99 21	HL	HL
IC100	18 02 99 21	HL	HL

D19m Mic Line Input Board 1.940.575.22 (3)

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Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 206	59.68.0027	47u		EL 6V, 5.0*5.7
0	C 2	59.60.2235	27p		CER 50V, 5%, COG, 0603	0	C 207	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 3	59.60.2235	27p		CER 50V, 5%, COG, 0603	0	C 208	59.60.2237	33p		CER 50V, 5%, COG, 0603
0	C 4	59.68.0067	22u		EL 16V, 5.0*5.7	0	C 209	59.60.2237	33p		CER 50V, 5%, COG, 0603
0	C 5	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 210	59.60.2237	33p		CER 50V, 5%, COG, 0603
0	C 6	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 211	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 7	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 212	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 8	59.60.2361	330p		CER 50V, 5%, COG, 0805	0	C 213	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 9	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 214	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 10	59.60.2361	330p		CER 50V, 5%, COG, 0805	0	C 215	59.05.1221	220p		PP, 1%, 630V
0	C 11	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 216	59.05.1221	220p		PP, 1%, 630V
0	C 12	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 217	59.05.1221	220p		PP, 1%, 630V
0	C 13	59.60.2361	330p		CER 50V, 5%, COG, 0805	0	C 218	59.05.1221	220p		PP, 1%, 630V
0	C 14	59.60.2361	330p		CER 50V, 5%, COG, 0805	0	C 219	59.60.2237	33p		CER 50V, 5%, COG, 0603
0	C 15	59.68.0065	10u		EL 16V, 4.0*5.7	0	C 220	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 16	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 221	59.60.2361	330p		CER 50V, 5%, COG, 0805
0	C 17	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 222	59.68.0033	470u		EL 6V, 8.0*10.7
0	C 18	59.68.0065	10u		EL 16V, 4.0*5.7	0	C 223	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 19	59.05.2331	330p		PP, 2.5%, 630V	0	C 224	59.60.2249	100p		CER 50V, 5%, COG, 0603
0	C 20	59.68.0115	100u		EL 35V, 8.0*10.7	0	C 226	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 21	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 227	59.63.0125	100n		PEN 50V, 5%, 1812
0	C 22	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 228	59.63.0125	100n		PEN 50V, 5%, 1812
0	C 23	59.68.0115	100u		EL 35V, 8.0*10.7	0	C 229	59.60.2373	1n0		CER 50V, 5%, COG, 0805
0	C 24	59.22.8100	10u		EL 63V 20% RM5	0	C 230	59.60.2373	1n0		CER 50V, 5%, COG, 0805
0	C 25	59.22.8100	10u		EL 63V 20% RM5	0	C 231	59.60.2373	1n0		CER 50V, 5%, COG, 0805
0	C 26	59.22.8470	47u		EL 63V 20% RM5	0	C 232	59.60.3325	10n		CER 50V, 10%, X7R, 0805
0	C 27	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 233	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 28	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 234	not used	100n		CER 50V, 10%, X7R, 0805
0	C 29	59.60.2237	33p		CER 50V, 5%, COG, 0603	0	C 235	not used	100n		CER 50V, 10%, X7R, 0805
0	C 30	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 239	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 31	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 240	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 32	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 241	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 33	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 244	59.68.0111	22u		EL 35V, 6.3*5.7
0	C 34	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 245	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 35	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 246	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 101	59.60.2249	100p		CER 50V, 5%, COG, 0603	0	C 247	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 102	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0	C 250	59.68.0111	22u		EL 35V, 6.3*5.7
0	C 103	59.68.0027	47u		EL 6V, 5.0*5.7	0	C 251	59.60.3337	100n		CER 50V, 10%, X7R, 0805
1	C 104	59.60.2233	22p		CER 50V, 5%, COG, 0603	0	C 252	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 105	59.68.0027	47u		EL 6V, 5.0*5.7	0	C 253	59.68.0031	220u		EL 6V, 8.0*6.3
0	C 106	59.68.0027	47u		EL 6V, 5.0*5.7	0	C 254	59.68.0031	220u		EL 6V, 8.0*6.3
0	C 107	59.68.0025	22u		EL 6V, 4.0*5.7	0	C 255	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 108	59.60.2237	33p		CER 50V, 5%, COG, 0603	0	C 301	59.60.2249	100p		CER 50V, 5%, COG, 0603
0	C 109	59.60.2237	33p		CER 50V, 5%, COG, 0603	0	C 302	59.60.2373	1n0		CER 50V, 5%, COG, 0805
0	C 110	59.60.2237	33p		CER 50V, 5%, COG, 0603	0	C 303	59.68.0027	47u		EL 6V, 5.0*5.7
0	C 111	59.68.0025	22u		EL 6V, 4.0*5.7	1	C 304	59.60.2233	22p		CER 50V, 5%, COG, 0603
0	C 112	59.68.0025	22u		EL 6V, 4.0*5.7	0	C 305	59.68.0027	47u		EL 6V, 5.0*5.7
0	C 113	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 306	59.68.0027	47u		EL 6V, 5.0*5.7
0	C 114	59.68.0025	22u		EL 6V, 4.0*5.7	0	C 307	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 115	59.05.1221	220p		PP, 1%, 630V	0	C 308	59.60.2237	33p		CER 50V, 5%, COG, 0603
0	C 116	59.05.1221	220p		PP, 1%, 630V	0	C 309	59.60.2237	33p		CER 50V, 5%, COG, 0603
0	C 117	59.05.1221	220p		PP, 1%, 630V	0	C 310	59.60.2237	33p		CER 50V, 5%, COG, 0603
0	C 118	59.05.1221	220p		PP, 1%, 630V	0	C 311	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 119	59.60.2237	33p		CER 50V, 5%, COG, 0603	0	C 312	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 120	59.68.0025	22u		EL 6V, 4.0*5.7	0	C 313	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 121	59.60.2361	330p		CER 50V, 5%, COG, 0805	0	C 314	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 122	59.68.0033	470u		EL 6V, 8.0*10.7	0	C 315	59.05.1221	220p		PP, 1%, 630V
0	C 123	59.68.0025	22u		EL 6V, 4.0*5.7	0	C 316	59.05.1221	220p		PP, 1%, 630V
0	C 124	59.60.2249	100p		CER 50V, 5%, COG, 0603	0	C 317	59.05.1221	220p		PP, 1%, 630V
0	C 126	59.68.0025	22u		EL 6V, 4.0*5.7	0	C 318	59.05.1221	220p		PP, 1%, 630V
0	C 127	59.63.0125	100n		PEN 50V, 5%, 1812	0	C 319	59.60.2237	33p		CER 50V, 5%, COG, 0603
0	C 128	59.63.0125	100n		PEN 50V, 5%, 1812	0	C 320	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 129	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0	C 321	59.60.2361	330p		CER 50V, 5%, COG, 0805
0	C 130	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0	C 322	59.68.0033	470u		EL 6V, 8.0*10.7
0	C 131	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0	C 323	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 132	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	C 324	59.60.2249	100p		CER 50V, 5%, COG, 0603
0	C 133	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 326	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 134	not used	100n		CER 50V, 10%, X7R, 0805	0	C 327	59.63.0125	100n		PEN 50V, 5%, 1812
0	C 135	not used	100n		CER 50V, 10%, X7R, 0805	0	C 328	59.63.0125	100n		PEN 50V, 5%, 1812
0	C 139	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 329	59.60.2373	1n0		CER 50V, 5%, COG, 0805
0	C 140	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 330	59.60.2373	1n0		CER 50V, 5%, COG, 0805
0	C 141	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 331	59.60.2373	1n0		CER 50V, 5%, COG, 0805
0	C 144	59.68.0111	22u		EL 35V, 6.3*5.7	0	C 332	59.60.3325	10n		CER 50V, 10%, X7R, 0805
0	C 145	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 333	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 146	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 334	not used	100n		CER 50V, 10%, X7R, 0805
0	C 147	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 335	not used	100n		CER 50V, 10%, X7R, 0805
0	C 150	59.68.0111	22u		EL 35V, 6.3*5.7	0	C 339	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 151	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 340	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 152	59.68.0025	22u		EL 6V, 4.0*5.7	0	C 341	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 153	59.68.0031	220u		EL 6V, 8.0*6.3	0	C 344	59.68.0111	22u		EL 35V, 6.3*5.7
0	C 154	59.68.0031	220u		EL 6V, 8.0*6.3	0	C 345	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 155	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	C 346	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 201	59.60.2249	100p		CER 50V, 5%, COG, 0603	0	C 347	59.60.3337	100n		CER 50V, 10%, X7R, 0805
0	C 202	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0	C 350	59.68.0111	22u		EL 35V, 6.3*5.7
0	C 203	59.68.0027	47u		EL 6V, 5.0*5.7	0	C 351	59.60.3337	100n		CER 50V, 10%, X7R, 0805
1	C 204	59.60.2233	22p		CER 50V, 5%, COG, 0603	0	C 352	59.68.0025	22u		EL 6V, 4.0*5.7
0	C 205	59.68.0027	47u		EL 6V, 5.0*5.7	0	C 353	59.68.0031	220u		EL 6V, 8.0*6.3

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Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 354	59.68.0031	220u		EL 6V, 8.0*5.3	0	IC 1	1.940.984.21			SW 575 Preamp (50.63.1303)
0	C 355	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 2	50.62.3139		74HCT139	Dual 2 to 4 line decoder
0	C 401	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0	IC 3	50.63.0009		80C652	MPU 8bit
0	C 402	59.60.2373	1n0		CER 50V, 5%, C0G, 0805	0	IC 4	50.62.1423		74HC423	Dual multivibr monost retrigg
0	C 403	59.68.0027	47u		EL 6V, 5.0*5.7	0	IC 5	50.62.3573		74HCT573	Octal D-type latch
1	C 404	59.60.2233	22p		CER 50V, 5%, C0G, 0603	0	IC 6	50.62.1423		74HC423	Dual multivibr monost retrigg
0	C 405	59.68.0027	47u		EL 6V, 5.0*5.7	0	IC 7	50.62.1074		74HC 74	Dual D-type FF, preset clear
0	C 406	59.68.0027	47u		EL 6V, 5.0*5.7	0	IC 8	50.62.1074		74HC 74	Dual D-type FF, preset clear
0	C 407	59.68.0025	22u		EL 6V, 4.0*5.7	0	IC 9	50.62.1273		74HC273	Octal D-FF with reset
0	C 408	59.60.2237	33p		CER 50V, 5%, C0G, 0603	0	IC 10	50.63.2001		7705B	Reset Generator
0	C 409	59.60.2237	33p		CER 50V, 5%, C0G, 0603	0	IC 11	50.10.0116		LM317HV	IC IP 317 HVT, LM 317 HVT
0	C 410	59.60.2237	33p		CER 50V, 5%, C0G, 0603	0	IC 12	50.62.1595		74HC595	8bit shift/output register
0	C 411	59.68.0025	22u		EL 6V, 4.0*5.7	0	IC 13	50.62.1595		74HC595	8bit shift/output register
0	C 412	59.68.0025	22u		EL 6V, 4.0*5.7	0	IC 14	50.62.1595		74HC595	8bit shift/output register
0	C 413	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 15	50.62.1595		74HC595	8bit shift/output register
0	C 414	59.68.0025	22u		EL 6V, 4.0*5.7	0	IC 16	50.61.0204		MC33078	Dual Op-Amp low noise
0	C 415	59.05.1221	220p		PP, 1%, 630V	0	IC 17	50.62.1595		74HC595	8bit shift/output register
0	C 416	59.05.1221	220p		PP, 1%, 630V	0	IC 18	50.62.1595		74HC595	8bit shift/output register
0	C 417	59.05.1221	220p		PP, 1%, 630V	0	IC 19	50.62.1595		74HC595	8bit shift/output register
0	C 418	59.05.1221	220p		PP, 1%, 630V	0	IC 20	50.62.1595		74HC595	8bit shift/output register
0	C 419	59.60.2237	33p		CER 50V, 5%, C0G, 0603	0	IC 101	50.61.0204		MC33078	Dual Op-Amp low noise
0	C 420	59.68.0025	22u		EL 6V, 4.0*5.7	0	IC 102	50.61.0204		MC33078	Dual Op-Amp low noise
0	C 421	59.60.2361	330p		CER 50V, 5%, C0G, 0805	0	IC 103	50.61.0207		LF353	Dual Op-Amp JFET SO 8
0	C 422	59.68.0033	470u		EL 6V, 8.0*10.7	0	IC 104	50.61.0204		MC33078	Dual Op-Amp low noise
0	C 423	59.68.0025	22u		EL 6V, 4.0*5.7	0	IC 105	50.09.0124		2142	Audio balanced line driver
0	C 424	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0	IC 106	50.61.8202		ADG433	Quad SPST SO 16
0	C 426	59.68.0025	22u		EL 6V, 4.0*5.7	0	IC 107	50.61.8201		DG408	8Ch analog Mux SO 16
0	C 427	59.63.0125	100n		PEN 50V, 5%, 1812	0	IC 108	50.61.8201		DG408	8Ch analog Mux SO 16
0	C 428	59.63.0125	100n		PEN 50V, 5%, 1812	0	IC 109	50.61.8201		DG408	8Ch analog Mux SO 16
0	C 429	59.60.2373	1n0		CER 50V, 5%, C0G, 0805	0	IC 110	50.61.8204		ADG444	Quad SPST low charge inj SO 16
0	C 430	59.60.2373	1n0		CER 50V, 5%, C0G, 0805	0	IC 111	50.61.9001		LM393	Dual voltage comp. SO 8
0	C 431	59.60.2373	1n0		CER 50V, 5%, C0G, 0805	0	IC 112	50.61.9001		LM393	Dual voltage comp. SO 8
0	C 432	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	IC 113	50.61.9001		LM393	Dual voltage comp. SO 8
0	C 433	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 115	50.09.0124		2142	Audio balanced line driver
0	C 434	not used	100n		CER 50V, 10%, X7R, 0805	0	IC 201	50.61.0204		MC33078	Dual Op-Amp low noise
0	C 435	not used	100n		CER 50V, 10%, X7R, 0805	0	IC 202	50.61.0204		MC33078	Dual Op-Amp low noise
0	C 439	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 203	50.61.0207		LF353	Dual Op-Amp JFET SO 8
0	C 440	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 204	50.61.0204		MC33078	Dual Op-Amp low noise
0	C 441	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 205	50.09.0124		2142	Audio balanced line driver
0	C 444	59.68.0111	22u		EL 35V, 6.3*5.7	0	IC 206	50.61.8202		ADG433	Quad SPST SO 16
0	C 445	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 207	50.61.8201		DG408	8Ch analog Mux SO 16
0	C 446	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 208	50.61.8201		DG408	8Ch analog Mux SO 16
0	C 447	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 209	50.61.8201		DG408	8Ch analog Mux SO 16
0	C 450	59.68.0111	22u		EL 35V, 6.3*5.7	0	IC 210	50.61.8204		ADG444	Quad SPST low charge inj SO 16
0	C 451	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 212	50.61.9001		LM393	Dual voltage comp. SO 8
0	C 452	59.68.0025	22u		EL 6V, 4.0*5.7	0	IC 213	50.61.9001		LM393	Dual voltage comp. SO 8
0	C 453	59.68.0031	220u		EL 6V, 8.0*6.3	0	IC 215	50.09.0124		2142	Audio balanced line driver
0	C 454	59.68.0031	220u		EL 6V, 8.0*6.3	0	IC 301	50.61.0204		MC33078	Dual Op-Amp low noise
0	C 455	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 302	50.61.0204		MC33078	Dual Op-Amp low noise
0	D 1	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 303	50.61.0207		LF353	Dual Op-Amp JFET SO 8
0	D 2	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 304	50.61.0204		MC33078	Dual Op-Amp low noise
0	D 3	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 305	50.09.0124		2142	Audio balanced line driver
0	D 4	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 306	50.61.8202		ADG433	Quad SPST SO 16
0	D 5	50.60.8002	GL34A		500mA 50V DO 213	0	IC 307	50.61.8201		DG408	8Ch analog Mux SO 16
0	D 6	50.60.8002	GL34A		500mA 50V DO 213	0	IC 308	50.61.8201		DG408	8Ch analog Mux SO 16
0	D 7	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 309	50.61.8201		DG408	8Ch analog Mux SO 16
0	D 8	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 310	50.61.8204		ADG444	Quad SPST low charge inj SO 16
0	D 9	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 311	50.61.9001		LM393	Dual voltage comp. SO 8
0	D 10	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 312	50.61.9001		LM393	Dual voltage comp. SO 8
0	D 101	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 313	50.61.9001		LM393	Dual voltage comp. SO 8
0	D 102	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 315	50.09.0124		2142	Audio balanced line driver
0	D 103	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 401	50.61.0204		MC33078	Dual Op-Amp low noise
0	D 104	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 402	50.61.0204		MC33078	Dual Op-Amp low noise
0	D 106	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 403	50.61.0207		LF353	Dual Op-Amp JFET SO 8
0	D 201	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 404	50.61.0204		MC33078	Dual Op-Amp low noise
0	D 202	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 405	50.09.0124		2142	Audio balanced line driver
0	D 203	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 406	50.61.8202		ADG433	Quad SPST SO 16
0	D 204	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 407	50.61.8201		DG408	8Ch analog Mux SO 16
0	D 206	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 408	50.61.8201		DG408	8Ch analog Mux SO 16
0	D 301	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 409	50.61.8201		DG408	8Ch analog Mux SO 16
0	D 302	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 410	50.61.8204		ADG444	Quad SPST low charge inj SO 16
0	D 303	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 412	50.61.9001		LM393	Dual voltage comp. SO 8
0	D 304	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 413	50.61.9001		LM393	Dual voltage comp. SO 8
0	D 306	50.60.8001	4448		200mA 75V 4ns SOD 80	0	IC 415	50.09.0124		2142	Audio balanced line driver
0	D 401	50.60.8001	4448		200mA 75V 4ns SOD 80	0	J 1	54.11.2009		96p	EU-R 3*32p
0	D 402	50.60.8001	4448		200mA 75V 4ns SOD 80	0	K 101	56.04.0197		2'u	24V 125V 2A Ag/Au
0	D 403	50.60.8001	4448		200mA 75V 4ns SOD 80	0	K 201	56.04.0197		2'u	24V 125V 2A Ag/Au
0	D 404	50.60.8001	4448		200mA 75V 4ns SOD 80	0	K 301	56.04.0197		2'u	24V 125V 2A Ag/Au
0	D 406	50.60.8001	4448		200mA 75V 4ns SOD 80	0	K 401	56.04.0197		2'u	24V 125V 2A Ag/Au
0	DL 1	50.04.2202	HLMP1790		DL HLMP - 1790 GN	0	L 1	62.02.3102		1mH	10%, radial RM 5
0	DL 101	50.04.2772	2'ye		Dual-LED mit Halter	0	L 2	62.03.0001		10uH	1A Toroid Choke
0	DL 102	50.04.2772	2'ye		Dual-LED mit Halter	0	L 3	62.03.0001		10uH	1A Toroid Choke
0	DL 103	50.04.2772	2'ye		Dual-LED mit Halter	0	L 101	62.60.0902			SMD Wideband choke
0	DL 301	50.04.2772	2'ye		Dual-LED mit Halter	0	L 102	62.60.0902			SMD Wideband choke
0	DL 302	50.04.2772	2'ye		Dual-LED mit Halter	0	L 201	62.60.0902			SMD Wideband choke
0	DL 303	50.04.2772	2'ye		Dual-LED mit Halter	0	L 202	62.60.0902			SMD Wideband choke
0	DV 1	50.60.9026	24V		5%, 0.2W, SOT 23	0	L 301	62.60.0902			SMD Wideband choke

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Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	L 302	62.60.0902			SMD Wideband choke	3	R 32	57.60.1123	12k		MF, 1%, 0204, E24
0	L 401	62.60.0902			SMD Wideband choke	0	R 33	57.60.1103	10k		MF, 1%, 0204, E24
0	L 402	62.60.0902			SMD Wideband choke	0	R 34	57.60.1103	10k		MF, 1%, 0204, E24
0	MP 1	1.940.575.13			D19M MIC LINE Input PCB	0	R 35	57.60.1124	120k		MF, 1%, 0204, E24
0	MP 2	1.940.575.04			TYPENSCHILD	0	R 36	57.60.1103	10k		MF, 1%, 0204, E24
0	MP 3	1.101.001.22			TEXT-ETIK. 5*20 HARDWARE -22	0	R 101	57.60.1123	12k		MF, 1%, 0204, E24
0	MP 4	43.01.0108		Label	ESE-WARNSCHILD	0	R 102	57.60.1470	47R		MF, 1%, 0204, E24
0	MP 5	1.022.400.03	4 pcs		ISOLATION	0	R 103	57.60.1391	390R		MF, 1%, 0204, E24
0	MP 6	1.010.004.61		RM5	Isolierscheibe d=10	0	R 104	57.60.1103	10k		MF, 1%, 0204, E24
0	MP 7	50.20.3004			Kühlkörper, TO 220, horizontal	0	R 105	57.60.1103	10k		MF, 1%, 0204, E24
0	MP 10	1.940.575.01	1 pce		FRONTPLATTE MP4RC	0	R 106	57.60.1272	2k7		MF, 1%, 0204, E24
0	MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE	0	R 107	57.60.1563	56k		MF, 1%, 0204, E24
0	MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)	0	R 108	57.60.1563	56k		MF, 1%, 0204, E24
0	MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)	0	R 109	57.60.1154	150k		MF, 1%, 0204, E24
0	MP 14	49.02.0522	2 pcs		Kartenhalter mit Z-Schr	0	R 110	57.60.1470	47R		MF, 1%, 0204, E24
0	MP 15	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp	0	R 111	57.60.1473	47k		MF, 1%, 0204, E24
0	MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff	0	R 112	57.60.1103	10k		MF, 1%, 0204, E24
2	MP 17	not used	2 pcs	M2.5*6	Z-Schraube Inbus Zn gb chr	0	R 113	57.60.1103	10k		MF, 1%, 0204, E24
					Schraube ist in MP14 (49.02.0522 Kartenhalter) enthalten	0	R 114	57.60.1473	47k		MF, 1%, 0204, E24
0	MP 18	21.53.0284	1 pce	M2.5*16	Z-Schraube Inbus Zn gb chr	0	R 115	57.60.1103	10k		MF, 1%, 0204, E24
0	MP 19	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15" 9	0	R 116	57.69.2002	6k8		MF 0.1% 25ppm 0204
3	MP 20	43.10.0111	1 pce	B	Revisions-Etikette 5mm h'blau	0	R 117	57.69.2002	6k8		MF 0.1% 25ppm 0204
0	MP 205	not used			Abschirmblech	0	R 118	57.60.1682	6k8		MF, 1%, 0204, E24
0	MP 206	not used			Abschirmblech	0	R 119	57.60.1103	10k		MF, 1%, 0204, E24
0	MP 207	not used			Abschirmblech	0	R 120	57.60.1272	2k7		MF, 1%, 0204, E24
0	MP 305	not used			Abschirmblech	0	R 121	57.60.1683	68k		MF, 1%, 0204, E24
0	MP 306	not used			Abschirmblech	0	R 122	57.60.1122	1k2		MF, 1%, 0204, E24
0	MP 307	not used			Abschirmblech	0	R 123	57.60.1101	100R		MF, 1%, 0204, E24
0	MP 405	not used			Abschirmblech	0	R 124	57.60.1102	1k0		MF, 1%, 0204, E24
0	MP 406	not used			Abschirmblech	0	R 125	57.60.1102	1k0		MF, 1%, 0204, E24
0	MP 407	not used			Abschirmblech	0	R 126	not used	1k0		MF, 1%, 0204, E24
0	Q 1	50.60.0150		FZT653	NPN 100V 2.0A SOT 223	0	R 127	57.60.1104	100k		MF, 1%, 0204, E24
0	Q 2	50.60.0150		FZT653	NPN 100V 2.0A SOT 223	0	R 128	57.60.1122	1k2		MF, 1%, 0204, E24
0	Q 3	50.60.0003		BC846B	NPN 65V 100mA SOT 23	0	R 129	57.60.1102	1k0		MF, 1%, 0204, E24
0	Q 4	50.60.1003		BC856B	PNP 65V 100mA SOT 23	0	R 130	57.60.1471	470R		MF, 1%, 0204, E24
0	Q 5	50.60.0003		BC846B	NPN 65V 100mA SOT 23	0	R 131	57.60.1821	820R		MF, 1%, 0204, E24
0	Q 101	50.60.1003		BC856B	PNP 65V 100mA SOT 23	0	R 132	57.60.1561	560R		MF, 1%, 0204, E24
0	Q 102	50.60.0003		BC846B	NPN 65V 100mA SOT 23	0	R 133	57.60.1560	56R		MF, 1%, 0204, E24
0	Q 103	50.60.0003		BC846B	NPN 65V 100mA SOT 23	0	R 134	57.60.1223	22k		MF, 1%, 0204, E24
0	Q 104	50.60.2001		J112	JFET N-Channel	0	R 135	57.60.1151	150R		MF, 1%, 0204, E24
0	Q 105	50.60.1003		BC856B	PNP 65V 100mA SOT 23	0	R 136	57.60.1821	820R		MF, 1%, 0204, E24
0	Q 201	50.60.1003		BC856B	PNP 65V 100mA SOT 23	0	R 137	57.60.1102	1k0		MF, 1%, 0204, E24
0	Q 202	50.60.0003		BC846B	NPN 65V 100mA SOT 23	0	R 138	57.60.1681	680R		MF, 1%, 0204, E24
0	Q 203	50.60.0003		BC846B	NPN 65V 100mA SOT 23	0	R 139	57.60.1123	12k		MF, 1%, 0204, E24
0	Q 204	50.60.2001		J112	JFET N-Channel	0	R 140	57.60.1103	10k		MF, 1%, 0204, E24
0	Q 205	50.60.1003		BC856B	PNP 65V 100mA SOT 23	0	R 141	57.60.1391	390R		MF, 1%, 0204, E24
0	Q 301	50.60.1003		BC856B	PNP 65V 100mA SOT 23	0	R 142	57.60.1330	33R		MF, 1%, 0204, E24
0	Q 302	50.60.0003		BC846B	NPN 65V 100mA SOT 23	0	R 143	57.60.1561	560R		MF, 1%, 0204, E24
0	Q 303	50.60.0003		BC846B	NPN 65V 100mA SOT 23	0	R 144	57.60.1561	560R		MF, 1%, 0204, E24
0	Q 304	50.60.2001		J112	JFET N-Channel	0	R 145	57.60.1151	150R		MF, 1%, 0204, E24
0	Q 305	50.60.1003		BC856B	PNP 65V 100mA SOT 23	0	R 146	57.60.1121	120R		MF, 1%, 0204, E24
0	Q 401	50.60.1003		BC856B	PNP 65V 100mA SOT 23	0	R 147	57.60.1473	47k		MF, 1%, 0204, E24
0	Q 402	50.60.0003		BC846B	NPN 65V 100mA SOT 23	0	R 148	57.60.1392	3k9		MF, 1%, 0204, E24
0	Q 403	50.60.0003		BC846B	NPN 65V 100mA SOT 23	0	R 150	57.60.1681	680R		MF, 1%, 0204, E24
0	Q 404	50.60.2001		J112	JFET N-Channel	0	R 151	57.60.1182	1k8		MF, 1%, 0204, E24
0	Q 405	50.60.1003		BC856B	PNP 65V 100mA SOT 23	0	R 152	57.60.1152	1k5		MF, 1%, 0204, E24
0	R 1	57.92.7019		0.4A	PTC 60V	0	R 153	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 2	57.60.1473		47k	MF, 1%, 0204, E24	0	R 154	57.60.1103	10k		MF, 1%, 0204, E24
0	R 3	57.69.1097		10k	CF 5% 0603	0	R 155	57.60.1103	10k		MF, 1%, 0204, E24
0	R 4	57.60.1473		47k	MF, 1%, 0204, E24	0	R 156	57.60.1182	1k8		MF, 1%, 0204, E24
0	R 5	57.60.1153		15k	MF, 1%, 0204, E24	0	R 157	57.60.1471	470R		MF, 1%, 0204, E24
0	R 6	57.60.1153		15k	MF, 1%, 0204, E24	0	R 158	57.60.1221	220R		MF, 1%, 0204, E24
0	R 7	57.60.1103		10k	MF, 1%, 0204, E24	0	R 159	57.60.1221	220R		MF, 1%, 0204, E24
0	R 8	57.60.1103		10k	MF, 1%, 0204, E24	0	R 160	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 9	57.60.1153		15k	MF, 1%, 0204, E24	0	R 161	57.60.1104	100k		MF, 1%, 0204, E24
0	R 10	57.60.1153		15k	MF, 1%, 0204, E24	0	R 162	57.60.1103	10k		MF, 1%, 0204, E24
0	R 11	57.60.1103		10k	MF, 1%, 0204, E24	0	R 163	57.60.1152	1k5		MF, 1%, 0204, E24
0	R 12	57.60.1103		10k	MF, 1%, 0204, E24	0	R 164	57.60.1472	4k7		MF, 1%, 0204, E24
0	R 13	57.60.1473		47k	MF, 1%, 0204, E24	0	R 165	57.60.1225	2M2		MF, 1%, 0204, E24
0	R 14	57.60.1103		10k	MF, 1%, 0204, E24	0	R 166	57.60.1473	47k		MF, 1%, 0204, E24
0	R 15	57.60.1100		10R	MF, 1%, 0204, E24	0	R 167	57.60.1153	15k		MF, 1%, 0204, E24
0	R 16	57.60.1103		10k	MF, 1%, 0204, E24	0	R 168	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 17	57.60.1472		4k7	MF, 1%, 0204, E24	0	R 169	57.60.1222	2k2		MF, 1%, 0204, E24
0	R 18	57.60.1103		10k	MF, 1%, 0204, E24	0	R 170	57.60.1682	6k8		MF, 1%, 0204, E24
0	R 19	57.60.1103		10k	MF, 1%, 0204, E24	0	R 171	57.60.1154	150k		MF, 1%, 0204, E24
0	R 20	57.60.1223		22k	MF, 1%, 0204, E24	0	R 172	57.60.1562	5k6		MF, 1%, 0204, E24
0	R 21	57.60.1271		270R	MF, 1%, 0204, E24	0	R 173	57.60.1000	0R0		MF, 0204
0	R 22	57.60.1103		10k	MF, 1%, 0204, E24	0	R 174	not used	0R0		MF, 0204
0	R 23	57.60.1223		22k	MF, 1%, 0204, E24	0	R 175	57.60.1682	6k8		MF, 1%, 0204, E24
0	R 24	57.60.1561		560R	MF, 1%, 0204, E24	0	R 176	57.60.1103	10k		MF, 1%, 0204, E24
0	R 25	57.60.1333		33k	MF, 1%, 0204, E24	0	R 178	57.60.1104	100k		MF, 1%, 0204, E24
0	R 26	57.60.1473		47k	MF, 1%, 0204, E24	0	R 179	57.60.1391	390R		MF, 1%, 0204, E24
0	R 27	57.92.7019		0.4A	PTC 60V	0	R 180	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 28	57.92.7019		0.4A	PTC 60V	0	R 181	57.60.1103	10k		MF, 1%, 0204, E24
0	R 29	57.60.1473		47k	MF, 1%, 0204, E24	0	R 182	57.60.1273	27k		MF, 1%, 0204, E24
0	R 30	57.60.1473		47k	MF, 1%, 0204, E24	0	R 183	57.60.1473	47k		MF, 1%, 0204, E24
0	R 31	57.60.1473		47k	MF, 1%, 0204, E24	0	R 184	57.60.1105	1M		MF, 1%, 0204, E24

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 186	57.60.1272	2k7		MF, 1%, 0204, E24	0 R 293	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 189	57.60.1473	47k		MF, 1%, 0204, E24	0 R 298	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 191	57.60.1106	10M		MF, 1%, 0204, E24	0 R 299	57.60.1473	47k		MF, 1%, 0204, E24
0 R 192	57.60.1473	47k		MF, 1%, 0204, E24	0 R 301	57.60.1123	12k		MF, 1%, 0204, E24
0 R 193	57.60.1102	1k0		MF, 1%, 0204, E24	0 R 302	57.60.1470	47R		MF, 1%, 0204, E24
0 R 195	57.60.1102	1k0		MF, 1%, 0204, E24	0 R 303	57.60.1391	390R		MF, 1%, 0204, E24
0 R 196	57.60.1473	47k		MF, 1%, 0204, E24	0 R 304	57.60.1103	10k		MF, 1%, 0204, E24
0 R 198	57.60.1102	1k0		MF, 1%, 0204, E24	0 R 305	57.60.1103	10k		MF, 1%, 0204, E24
0 R 199	57.60.1473	47k		MF, 1%, 0204, E24	0 R 306	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 201	57.60.1123	12k		MF, 1%, 0204, E24	0 R 307	57.60.1563	56k		MF, 1%, 0204, E24
0 R 202	57.60.1470	47R		MF, 1%, 0204, E24	0 R 308	57.60.1563	56k		MF, 1%, 0204, E24
0 R 203	57.60.1391	390R		MF, 1%, 0204, E24	0 R 309	57.60.1154	150k		MF, 1%, 0204, E24
0 R 204	57.60.1103	10k		MF, 1%, 0204, E24	0 R 310	57.60.1470	47R		MF, 1%, 0204, E24
0 R 205	57.60.1103	10k		MF, 1%, 0204, E24	0 R 311	57.60.1473	47k		MF, 1%, 0204, E24
0 R 206	57.60.1272	2k7		MF, 1%, 0204, E24	0 R 312	57.60.1103	10k		MF, 1%, 0204, E24
0 R 207	57.60.1563	56k		MF, 1%, 0204, E24	0 R 313	57.60.1103	10k		MF, 1%, 0204, E24
0 R 208	57.60.1563	56k		MF, 1%, 0204, E24	0 R 314	57.60.1473	47k		MF, 1%, 0204, E24
0 R 209	57.60.1154	150k		MF, 1%, 0204, E24	0 R 315	57.60.1103	10k		MF, 1%, 0204, E24
0 R 210	57.60.1470	47R		MF, 1%, 0204, E24	0 R 316	57.69.2002	6k8		MF 0.1% 25ppm 0204
0 R 211	57.60.1473	47k		MF, 1%, 0204, E24	0 R 317	57.69.2002	6k8		MF 0.1% 25ppm 0204
0 R 212	57.60.1103	10k		MF, 1%, 0204, E24	0 R 318	57.60.1682	6k8		MF, 1%, 0204, E24
0 R 213	57.60.1103	10k		MF, 1%, 0204, E24	0 R 319	57.60.1103	10k		MF, 1%, 0204, E24
0 R 214	57.60.1473	47k		MF, 1%, 0204, E24	0 R 320	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 215	57.60.1103	10k		MF, 1%, 0204, E24	0 R 321	57.60.1683	68k		MF, 1%, 0204, E24
0 R 216	57.69.2002	6k8		MF 0.1% 25ppm 0204	0 R 322	57.60.1122	1k2		MF, 1%, 0204, E24
0 R 217	57.69.2002	6k8		MF 0.1% 25ppm 0204	0 R 323	57.60.1101	100R		MF, 1%, 0204, E24
0 R 218	57.60.1682	6k8		MF, 1%, 0204, E24	0 R 324	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 219	57.60.1103	10k		MF, 1%, 0204, E24	0 R 325	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 220	57.60.1272	2k7		MF, 1%, 0204, E24	0 R 326	not used	1k0		MF, 1%, 0204, E24
0 R 221	57.60.1683	68k		MF, 1%, 0204, E24	0 R 327	57.60.1104	100k		MF, 1%, 0204, E24
0 R 222	57.60.1122	1k2		MF, 1%, 0204, E24	0 R 328	57.60.1122	1k2		MF, 1%, 0204, E24
0 R 223	57.60.1101	100R		MF, 1%, 0204, E24	0 R 329	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 224	57.60.1102	1k0		MF, 1%, 0204, E24	0 R 330	57.60.1471	470R		MF, 1%, 0204, E24
0 R 225	57.60.1102	1k0		MF, 1%, 0204, E24	0 R 331	57.60.1821	820R		MF, 1%, 0204, E24
0 R 226	not used	1k0		MF, 1%, 0204, E24	0 R 332	57.60.1561	560R		MF, 1%, 0204, E24
0 R 227	57.60.1104	100k		MF, 1%, 0204, E24	0 R 333	57.60.1560	56R		MF, 1%, 0204, E24
0 R 228	57.60.1122	1k2		MF, 1%, 0204, E24	0 R 334	57.60.1223	22k		MF, 1%, 0204, E24
0 R 229	57.60.1102	1k0		MF, 1%, 0204, E24	0 R 335	57.60.1151	150R		MF, 1%, 0204, E24
0 R 230	57.60.1471	470R		MF, 1%, 0204, E24	0 R 336	57.60.1821	820R		MF, 1%, 0204, E24
0 R 231	57.60.1821	820R		MF, 1%, 0204, E24	0 R 337	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 232	57.60.1561	560R		MF, 1%, 0204, E24	0 R 338	57.60.1681	680R		MF, 1%, 0204, E24
0 R 233	57.60.1560	56R		MF, 1%, 0204, E24	0 R 339	57.60.1123	12k		MF, 1%, 0204, E24
0 R 234	57.60.1223	22k		MF, 1%, 0204, E24	0 R 340	57.60.1103	10k		MF, 1%, 0204, E24
0 R 235	57.60.1151	150R		MF, 1%, 0204, E24	0 R 341	57.60.1391	390R		MF, 1%, 0204, E24
0 R 236	57.60.1821	820R		MF, 1%, 0204, E24	0 R 342	57.60.1330	33R		MF, 1%, 0204, E24
0 R 237	57.60.1102	1k0		MF, 1%, 0204, E24	0 R 343	57.60.1561	560R		MF, 1%, 0204, E24
0 R 238	57.60.1681	680R		MF, 1%, 0204, E24	0 R 344	57.60.1561	560R		MF, 1%, 0204, E24
0 R 239	57.60.1123	12k		MF, 1%, 0204, E24	0 R 345	57.60.1151	150R		MF, 1%, 0204, E24
0 R 240	57.60.1103	10k		MF, 1%, 0204, E24	0 R 346	57.60.1121	120R		MF, 1%, 0204, E24
0 R 241	57.60.1391	390R		MF, 1%, 0204, E24	0 R 347	57.60.1473	47k		MF, 1%, 0204, E24
0 R 242	57.60.1330	33R		MF, 1%, 0204, E24	0 R 348	57.60.1392	3k9		MF, 1%, 0204, E24
0 R 243	57.60.1561	560R		MF, 1%, 0204, E24	0 R 350	57.60.1681	680R		MF, 1%, 0204, E24
0 R 244	57.60.1561	560R		MF, 1%, 0204, E24	0 R 351	57.60.1182	1k8		MF, 1%, 0204, E24
0 R 245	57.60.1151	150R		MF, 1%, 0204, E24	0 R 352	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 246	57.60.1121	120R		MF, 1%, 0204, E24	0 R 353	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 247	57.60.1473	47k		MF, 1%, 0204, E24	0 R 356	57.60.1182	1k8		MF, 1%, 0204, E24
0 R 248	57.60.1392	3k9		MF, 1%, 0204, E24	0 R 357	57.60.1471	470R		MF, 1%, 0204, E24
0 R 250	57.60.1681	680R		MF, 1%, 0204, E24	0 R 358	57.60.1221	220R		MF, 1%, 0204, E24
0 R 251	57.60.1182	1k8		MF, 1%, 0204, E24	0 R 359	57.60.1221	220R		MF, 1%, 0204, E24
0 R 252	57.60.1152	1k5		MF, 1%, 0204, E24	0 R 360	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 253	57.60.1102	1k0		MF, 1%, 0204, E24	0 R 361	57.60.1104	100k		MF, 1%, 0204, E24
0 R 256	57.60.1182	1k8		MF, 1%, 0204, E24	0 R 362	57.60.1103	10k		MF, 1%, 0204, E24
0 R 257	57.60.1471	470R		MF, 1%, 0204, E24	0 R 363	57.60.1152	1k5		MF, 1%, 0204, E24
0 R 258	57.60.1221	220R		MF, 1%, 0204, E24	0 R 364	57.60.1472	4k7		MF, 1%, 0204, E24
0 R 259	57.60.1221	220R		MF, 1%, 0204, E24	0 R 365	57.60.1225	2M2		MF, 1%, 0204, E24
0 R 260	57.60.1102	1k0		MF, 1%, 0204, E24	0 R 367	57.60.1153	15k		MF, 1%, 0204, E24
0 R 261	57.60.1104	100k		MF, 1%, 0204, E24	0 R 369	57.60.1222	2k2		MF, 1%, 0204, E24
0 R 262	57.60.1103	10k		MF, 1%, 0204, E24	0 R 370	57.60.1682	6k8		MF, 1%, 0204, E24
0 R 263	57.60.1152	1k5		MF, 1%, 0204, E24	0 R 371	57.60.1154	150k		MF, 1%, 0204, E24
0 R 264	57.60.1472	4k7		MF, 1%, 0204, E24	0 R 372	57.60.1562	5k6		MF, 1%, 0204, E24
0 R 265	57.60.1225	2M2		MF, 1%, 0204, E24	0 R 373	57.60.1000	0R0		MF, 0204
0 R 267	57.60.1153	15k		MF, 1%, 0204, E24	0 R 374	not used	0R0		MF, 0204
0 R 269	57.60.1222	2k2		MF, 1%, 0204, E24	0 R 375	57.60.1682	6k8		MF, 1%, 0204, E24
0 R 270	57.60.1682	6k8		MF, 1%, 0204, E24	0 R 376	57.60.1103	10k		MF, 1%, 0204, E24
0 R 271	57.60.1154	150k		MF, 1%, 0204, E24	0 R 378	57.60.1104	100k		MF, 1%, 0204, E24
0 R 272	57.60.1562	5k6		MF, 1%, 0204, E24	0 R 379	57.60.1391	390R		MF, 1%, 0204, E24
0 R 273	57.60.1000	0R0		MF, 0204	0 R 381	57.60.1103	10k		MF, 1%, 0204, E24
0 R 274	not used	0R0		MF, 0204	0 R 382	57.60.1273	27k		MF, 1%, 0204, E24
0 R 275	57.60.1682	6k8		MF, 1%, 0204, E24	0 R 384	57.60.1105	1M		MF, 1%, 0204, E24
0 R 276	57.60.1103	10k		MF, 1%, 0204, E24	0 R 386	57.60.1272	2k7		MF, 1%, 0204, E24
0 R 278	57.60.1104	100k		MF, 1%, 0204, E24	0 R 391	57.60.1106	10M		MF, 1%, 0204, E24
0 R 279	57.60.1391	390R		MF, 1%, 0204, E24	0 R 393	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 281	57.60.1103	10k		MF, 1%, 0204, E24	0 R 398	57.60.1102	1k0		MF, 1%, 0204, E24
0 R 282	57.60.1273	27k		MF, 1%, 0204, E24	0 R 399	57.60.1473	47k		MF, 1%, 0204, E24
0 R 284	57.60.1105	1M		MF, 1%, 0204, E24	0 R 401	57.60.1123	12k		MF, 1%, 0204, E24
0 R 286	57.60.1272	2k7		MF, 1%, 0204, E24	0 R 402	57.60.1470	47R		MF, 1%, 0204, E24
0 R 291	57.60.1106	10M		MF, 1%, 0204, E24	0 R 403	57.60.1391	390R		MF, 1%, 0204, E24

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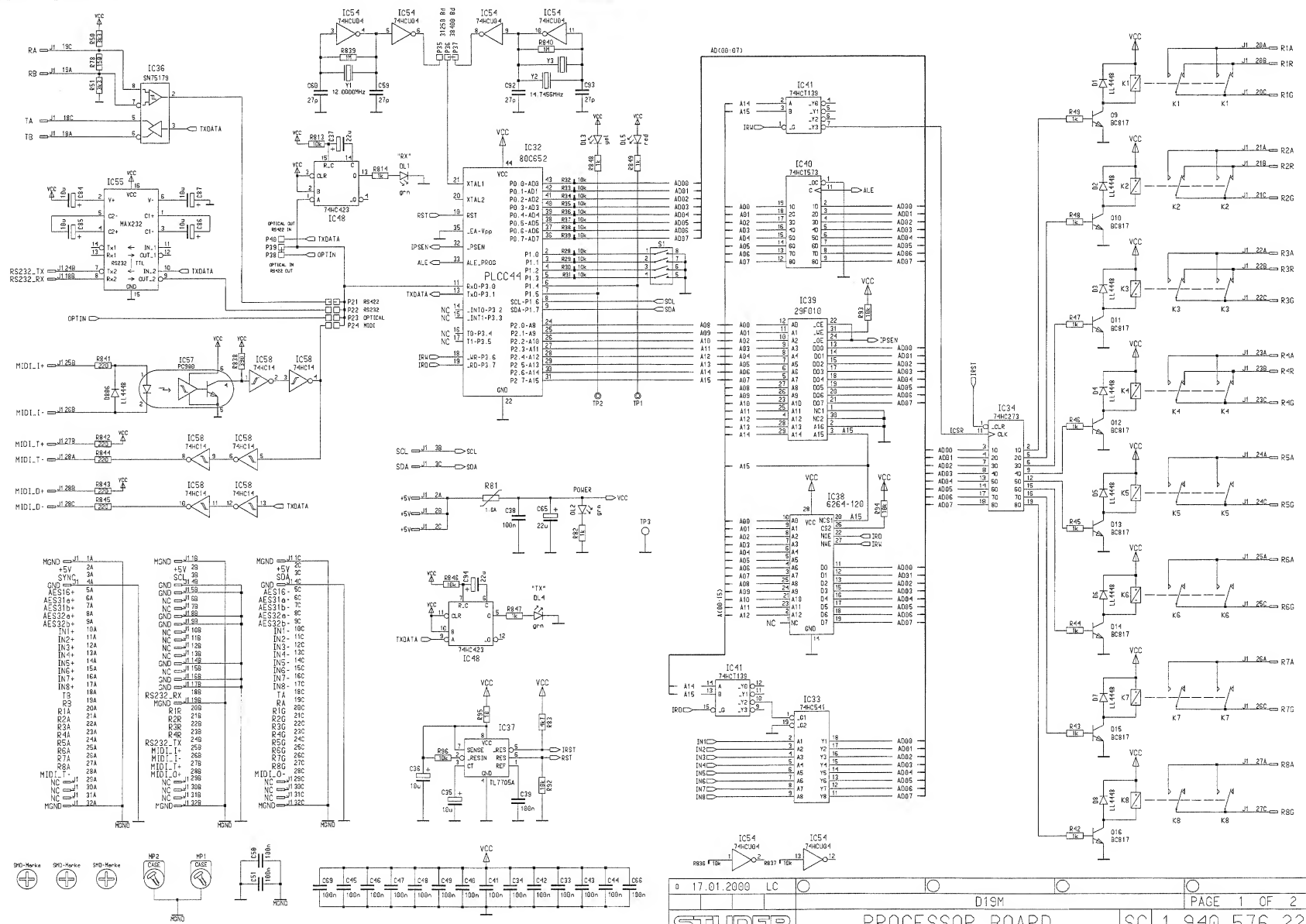
Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 404	57.60.1103	10k		MF, 1%, 0204, E24
0	R 405	57.60.1103	10k		MF, 1%, 0204, E24
0	R 406	57.60.1272	2k7		MF, 1%, 0204, E24
0	R 407	57.60.1563	56k		MF, 1%, 0204, E24
0	R 408	57.60.1563	56k		MF, 1%, 0204, E24
0	R 409	57.60.1154	150k		MF, 1%, 0204, E24
0	R 410	57.60.1470	47R		MF, 1%, 0204, E24
0	R 411	57.60.1473	47k		MF, 1%, 0204, E24
0	R 412	57.60.1103	10k		MF, 1%, 0204, E24
0	R 413	57.60.1103	10k		MF, 1%, 0204, E24
0	R 414	57.60.1473	47k		MF, 1%, 0204, E24
0	R 415	57.60.1103	10k		MF, 1%, 0204, E24
0	R 416	57.69.2002	6k8		MF 0.1% 25ppm 0204
0	R 417	57.69.2002	6k8		MF 0.1% 25ppm 0204
0	R 418	57.60.1682	6k8		MF, 1%, 0204, E24
0	R 419	57.60.1103	10k		MF, 1%, 0204, E24
0	R 420	57.60.1272	2k7		MF, 1%, 0204, E24
0	R 421	57.60.1683	68k		MF, 1%, 0204, E24
0	R 422	57.60.1122	1k2		MF, 1%, 0204, E24
0	R 423	57.60.1101	100R		MF, 1%, 0204, E24
0	R 424	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 425	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 426	not used	1k0		MF, 1%, 0204, E24
0	R 427	57.60.1104	100k		MF, 1%, 0204, E24
0	R 428	57.60.1122	1k2		MF, 1%, 0204, E24
0	R 429	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 430	57.60.1471	470R		MF, 1%, 0204, E24
0	R 431	57.60.1821	820R		MF, 1%, 0204, E24
0	R 432	57.60.1561	560R		MF, 1%, 0204, E24
0	R 433	57.60.1560	56R		MF, 1%, 0204, E24
0	R 434	57.60.1223	22k		MF, 1%, 0204, E24
0	R 435	57.60.1151	150R		MF, 1%, 0204, E24
0	R 436	57.60.1821	820R		MF, 1%, 0204, E24
0	R 437	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 438	57.60.1681	680R		MF, 1%, 0204, E24
0	R 439	57.60.1123	12k		MF, 1%, 0204, E24
0	R 440	57.60.1103	10k		MF, 1%, 0204, E24
0	R 441	57.60.1391	390R		MF, 1%, 0204, E24
0	R 442	57.60.1330	33R		MF, 1%, 0204, E24
0	R 443	57.60.1561	560R		MF, 1%, 0204, E24
0	R 444	57.60.1561	560R		MF, 1%, 0204, E24
0	R 445	57.60.1151	150R		MF, 1%, 0204, E24
0	R 446	57.60.1121	120R		MF, 1%, 0204, E24
0	R 447	57.60.1473	47k		MF, 1%, 0204, E24
0	R 448	57.60.1392	3k9		MF, 1%, 0204, E24
0	R 450	57.60.1681	680R		MF, 1%, 0204, E24
0	R 451	57.60.1182	1k8		MF, 1%, 0204, E24
0	R 452	57.60.1152	1k5		MF, 1%, 0204, E24
0	R 453	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 456	57.60.1182	1k8		MF, 1%, 0204, E24
0	R 457	57.60.1471	470R		MF, 1%, 0204, E24
0	R 458	57.60.1221	220R		MF, 1%, 0204, E24
0	R 459	57.60.1221	220R		MF, 1%, 0204, E24
0	R 460	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 461	57.60.1104	100k		MF, 1%, 0204, E24
0	R 462	57.60.1103	10k		MF, 1%, 0204, E24
0	R 463	57.60.1152	1k5		MF, 1%, 0204, E24
0	R 464	57.60.1472	4k7		MF, 1%, 0204, E24
0	R 465	57.60.1225	2M2		MF, 1%, 0204, E24
0	R 467	57.60.1153	15k		MF, 1%, 0204, E24
0	R 469	57.60.1222	2k2		MF, 1%, 0204, E24
0	R 470	57.60.1682	6k8		MF, 1%, 0204, E24
0	R 471	57.60.1154	150k		MF, 1%, 0204, E24
0	R 472	57.60.1562	5k6		MF, 1%, 0204, E24
0	R 473	57.60.1000	0R0		MF, 0204
0	R 474	not used	0R0		MF, 0204
0	R 475	57.60.1682	6k8		MF, 1%, 0204, E24
0	R 476	57.60.1103	10k		MF, 1%, 0204, E24
0	R 478	57.60.1104	100k		MF, 1%, 0204, E24
0	R 479	57.60.1391	390R		MF, 1%, 0204, E24
0	R 481	57.60.1103	10k		MF, 1%, 0204, E24
0	R 482	57.60.1273	27k		MF, 1%, 0204, E24
0	R 484	57.60.1105	1M		MF, 1%, 0204, E24
0	R 486	57.60.1272	2k7		MF, 1%, 0204, E24
0	R 491	57.60.1106	10M		MF, 1%, 0204, E24
0	R 493	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 498	57.60.1102	1k0		MF, 1%, 0204, E24
0	R 499	57.60.1473	47k		MF, 1%, 0204, E24
0	RA 101	58.05.1202	2k0		10%, 0.5W, Cermet
0	RA 201	58.05.1202	2k0		10%, 0.5W, Cermet
0	RA 301	58.05.1202	2k0		10%, 0.5W, Cermet
0	RA 401	58.05.1202	2k0		10%, 0.5W, Cermet
0	T 1	1.022.653.00			TRAFO VF-DISPLAY
0	T 101	1.022.461.00			HIGH-LEVEL MIC INPUT
0	T 201	1.022.461.00			HIGH-LEVEL MIC INPUT
0	T 301	1.022.461.00			HIGH-LEVEL MIC INPUT
0	T 401	1.022.461.00			HIGH-LEVEL MIC INPUT

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	TP 2	54.33.6010		2.8*0.8	PCB-Flachstecker, gerade
0	XDL 1	50.20.2501		Spacer	LED-Socket
0	XIC 1	53.03.2232		32p	PLCC-Socket
0	XIC 10	53.03.0166		8p	DIL 0.3", lot, gerade
0	XIC 11	53.03.0166		8p	DIL 0.3", lot, gerade
0	XIC 20	53.03.0166		8p	DIL 0.3", lot, gerade
0	XIC 21	53.03.0166		8p	DIL 0.3", lot, gerade
0	XIC 30	53.03.0166		8p	DIL 0.3", lot, gerade
0	XIC 31	53.03.0166		8p	DIL 0.3", lot, gerade
0	XIC 40	53.03.0166		8p	DIL 0.3", lot, gerade
0	XIC 41	53.03.0166		8p	DIL 0.3", lot, gerade
0	Y 1	89.60.1003		12.000MHz	SMD Quartz

End of List

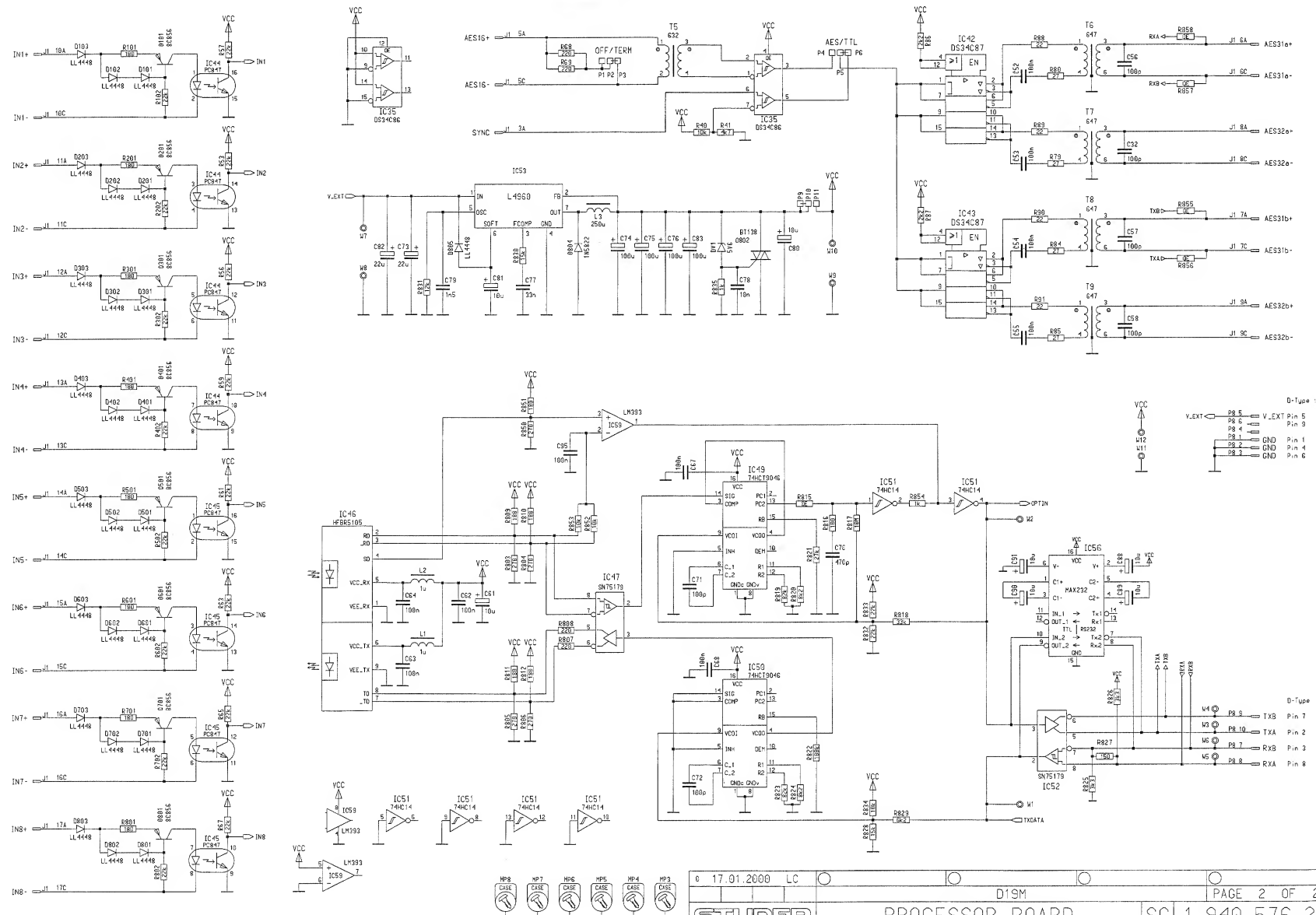
- (1) C104,C204,C304,C404 changed to 22pF
Additional:MP20
(2) 12.04.00 MP 17 not used
(3) Improved limiter performance: R32 changed to 12k

Processor Board 1.940.576.22





Processor Board 1.940.576.22





Technical drawing of a processor board (ESE) showing component layout, pin connections, and mechanical dimensions. The board is populated with various integrated circuits (ICs), resistors (R), capacitors (C), and other electronic components. Mechanical features include mounting holes (MP 1 through MP 19), a connector (P1), and a power switch (P8). The drawing includes a detailed component list and a table of dimensions.

Component List:

- IC1: 74LS125
- IC2: 74LS125
- IC3: 74LS125
- IC4: 74LS125
- IC5: 74LS125
- IC6: 74LS125
- IC7: 74LS125
- IC8: 74LS125
- IC9: 74LS125
- IC10: 74LS125
- IC11: 74LS125
- IC12: 74LS125
- IC13: 74LS125
- IC14: 74LS125
- IC15: 74LS125
- IC16: 74LS125
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- IC18: 74LS125
- IC19: 74LS125
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- IC219: 74LS125
- IC220: 74LS125
- IC221: 74LS125
- IC222: 74LS125
- IC

Accounting documents Zugabe: siehe oben PL	General: Liternote: Freihausliternote:	Social: Visabest:	Edi Lit Ausgabe	17.01.2000	LC	ML	RL	©
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STUDER REGENDORF	PROCESSOR BOARD, ESE		Z	Number: 1.940.576.22				



Processor Board I.940.576.23

Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 32	59.60.2249	100p	CER 50V, 5%, COG, 0603		0	D 403	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 86	57.60.1222	2K2	MF, 1%, 0204, E24		0	R 86	57.60.1222	2K2	MF, 1%, 0204, E24	
0	C 33	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 501	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 87	57.60.1222	2K2	MF, 1%, 0204, E24		0	R 87	57.60.1222	2K2	MF, 1%, 0204, E24	
0	C 34	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 502	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 88	57.60.1220	22R	MF, 1%, 0204, E24		0	R 88	57.60.1220	22R	MF, 1%, 0204, E24	
0	C 35	59.68.0065	10u	EL 16V, 4.0*5.7		0	D 503	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 89	57.60.1220	22R	MF, 1%, 0204, E24		0	R 89	57.60.1220	22R	MF, 1%, 0204, E24	
0	C 36	59.68.0065	10u	EL 16V, 4.0*5.7		0	D 601	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 90	57.60.1220	22R	MF, 1%, 0204, E24		0	R 90	57.60.1220	22R	MF, 1%, 0204, E24	
0	C 37	59.68.0067	22u	EL 16V, 5.0*5.7		0	D 602	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 91	57.60.1220	22R	MF, 1%, 0204, E24		0	R 91	57.60.1220	22R	MF, 1%, 0204, E24	
0	C 38	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 603	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 92	57.60.1103	10K	MF, 1%, 0204, E24		0	R 92	57.60.1103	10K	MF, 1%, 0204, E24	
0	C 39	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 701	50.62.8008	4448	200mA 75V 4ns SOD 80		0	R 93	57.60.1103	10K	MF, 1%, 0204, E24		0	R 93	57.60.1103	10K	MF, 1%, 0204, E24	
0	C 40	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 702	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 94	57.60.1103	10K	MF, 1%, 0204, E24		0	R 94	57.60.1103	10K	MF, 1%, 0204, E24	
0	C 41	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 703	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 95	57.60.1100	10R	MF, 1%, 0204, E24		0	R 95	57.60.1100	10R	MF, 1%, 0204, E24	
0	C 42	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 801	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 96	57.60.1103	10K	MF, 1%, 0204, E24		0	R 96	57.60.1103	10K	MF, 1%, 0204, E24	
0	C 43	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 802	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 101	57.60.1181	180R	MF, 1%, 0204, E24		0	R 101	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 44	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 803	50.60.8001	4448	200mA 75V 4ns SOD 80		0	R 102	57.60.1223	22K	MF, 1%, 0204, E24		0	R 102	57.60.1223	22K	MF, 1%, 0204, E24	
0	C 45	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 804	not used	1N5822	3A, Schottky		0	R 201	57.60.1181	180R	MF, 1%, 0204, E24		0	R 201	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 46	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 805	not used	4448	200mA 75V 4ns SOD 80		0	R 202	57.60.1223	22K	MF, 1%, 0204, E24		0	R 202	57.60.1223	22K	MF, 1%, 0204, E24	
0	C 47	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 806	not used	4448	200mA 75V 4ns SOD 80		0	R 301	57.60.1181	180R	MF, 1%, 0204, E24		0	R 301	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 48	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	D 806	not used	4448	200mA 75V 4ns SOD 80		0	R 302	57.60.1223	22K	MF, 1%, 0204, E24		0	R 302	57.60.1223	22K	MF, 1%, 0204, E24	
0	C 49	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	DL 1	50.04.2202	HLMP1790	DL HLMP - 1790 GN		0	R 401	57.60.1181	180R	MF, 1%, 0204, E24		0	R 401	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 50	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	DL 2	50.04.2202	HLMP1790	DL HLMP - 1790 GN		0	R 402	57.60.1223	22K	MF, 1%, 0204, E24		0	R 402	57.60.1223	22K	MF, 1%, 0204, E24	
0	C 51	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	DL 3	not used	TLUY 2401	DL TLUY 2401 GB MATT		0	R 501	57.60.1181	180R	MF, 1%, 0204, E24		0	R 501	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 52	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	DL 4	not used	TLUG 2401	DL TLUG 2401 GN MATT		0	R 502	57.60.1223	22K	MF, 1%, 0204, E24		0	R 502	57.60.1223	22K	MF, 1%, 0204, E24	
0	C 53	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	DL 5	not used	TLUR 2401	DL TLUR 2401 RT MATT		0	R 601	57.60.1181	180R	MF, 1%, 0204, E24		0	R 601	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 54	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	DV 1	not used	5V6	5%, 0.2W, SOT 23		0	R 602	57.60.1223	22K	MF, 1%, 0204, E24		0	R 602	57.60.1223	22K	MF, 1%, 0204, E24	
0	C 55	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	IC 32	50.63.0050	80C852	MPU 8bit		0	R 701	57.60.1181	180R	MF, 1%, 0204, E24		0	R 701	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 56	59.60.2249	100p	CER 50V, 5%, COG, 0603		0	IC 33	50.62.1541	74HC541	Octal buffer line driver/receiv		0	R 702	57.60.1223	22K	MF, 1%, 0204, E24		0	R 702	57.60.1223	22K	MF, 1%, 0204, E24	
0	C 57	59.60.2249	100p	CER 50V, 5%, COG, 0603		0	IC 34	50.62.1273	74HC273	Octal D-FF with reset		0	R 801	57.60.1181	180R	MF, 1%, 0204, E24		0	R 801	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 58	59.60.2249	100p	CER 50V, 5%, COG, 0603		0	IC 35	50.62.0463	DS34C06	4*RS 422 Line Receiver		0	R 802	57.60.1223	22K	MF, 1%, 0204, E24		0	R 802	57.60.1223	22K	MF, 1%, 0204, E24	
0	C 59	59.60.2235	27p	CER 50V, 5%, COG, 0603		0	IC 36	50.15.0126	751798	IC SN 751798 P		0	R 803	57.60.1271	270R	MF, 1%, 0204, E24		0	R 803	57.60.1271	270R	MF, 1%, 0204, E24	
0	C 60	59.60.2235	27p	CER 50V, 5%, COG, 0603		0	IC 37	50.63.2001	77058	Reset Generator		0	R 804	57.60.1271	270R	MF, 1%, 0204, E24		0	R 804	57.60.1271	270R	MF, 1%, 0204, E24	
0	C 61	59.68.0065	10u	EL 16V, 4.0*5.7		0	IC 38	50.63.1502	8284	SRAM 8K*8, 120ns		0	R 805	57.60.1271	270R	MF, 1%, 0204, E24		0	R 805	57.60.1271	270R	MF, 1%, 0204, E24	
0	C 62	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	IC 39	1.940.982.22	SW 578 Control (50.63.1303)		0	R 806	57.60.1221	220R	MF, 1%, 0204, E24		0	R 806	57.60.1221	220R	MF, 1%, 0204, E24		
0	C 63	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	IC 40	50.62.3573	74HCT573	Octal D-type latch		0	R 807	57.60.1221	220R	MF, 1%, 0204, E24		0	R 807	57.60.1221	220R	MF, 1%, 0204, E24	
0	C 64	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	IC 41	50.62.3136	74HCT139	Dual 2 to 4 line decoder		0	R 808	57.60.1181	180R	MF, 1%, 0204, E24		0	R 808	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 65	59.68.0067	22u	EL 16V, 5.0*5.7		0	IC 42	50.15.0127	34C87	IC DS 34 C 87 TN, MC34C87P, A		0	R 809	57.60.1181	180R	MF, 1%, 0204, E24		0	R 809	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 66	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	IC 43	50.15.0127	34C87	IC DS 34 C 87 TN, MC34C87P, A		0	R 810	57.60.1181	180R	MF, 1%, 0204, E24		0	R 810	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 67	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	IC 44	50.04.2138	PC847	DLQ PC-847, EE-CM 4		0	R 811	57.60.1181	180R	MF, 1%, 0204, E24		0	R 811	57.60.1181	180R	MF, 1%, 0204, E24	
0	C 68	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	IC 45	50.04.2138	PC847	DLQ PC-847, EE-CM 4		0	R 812	57.60.1103	10K	MF, 1%, 0204, E24		0	R 812	57.60.1103	10K	MF, 1%, 0204, E24	
0	C 69	59.60.3337	100n	CER 50V, 10%, X7R, 0805		0	IC 46	99.10.0021	HFBR105	LWL Transceiver FDDI/MADI		0	R 814	57.60.1102	1K	MF, 1%, 0204, E24		0	R 814	57.60.1102	1K	MF, 1%, 0204, E24	
0	C 70	59.60.2385	470p	CER 50V, 5%, COG, 0603		0	IC 47	50.15.0126	751798	IC SN 751798 P		0	R 815	57.60.1000	0R0	MF, 0204		0	R 815	57.60.1000	0R0	MF, 0204	
0	C 71	59.60.2249	100p	CER 50V, 5%, COG, 0603		0	IC 48	50.62.1423	74HC423	Dual multivibr monost retri		0	R 816	57.60.1101	100R	MF, 1%, 0204, E24		0	R 816	57.60.1101	100R	MF, 1%, 0204, E24	
0	C 72	59.60.2249	100p	CER 50V, 5%, COG, 0603		0	IC 49	50.62.4946	74HCT9046	PLL with bandgap contr VCO		0	R 817	57.60.1101	100R	MF, 1%, 0204, E24		0	R 817	57.60.1101	100R	MF, 1%, 0204, E24	
0	C 73	not used	22u	EL 35V, 6.3*5.7		0	IC 50	50.62.4946	74HCT9046	PLL with bandgap contr VCO		0	R 818	57.60.1333	33K	MF, 1%, 0204, E24		0	R 818	57.60.1333	33K	MF, 1%, 0204, E24	
0	C 74	not used	100u	EL 16V, 6.3*5.7		0	IC 51	50.62.1014	74HC 14	Hex Schmitt trigger inverter		0	R 819	57.60.1823	82K	MF, 1%, 0204, E24		0	R 819	57.60.1823	82K	MF, 1%, 0204, E24	
0	C 75	not used	100u	EL 16V, 6.3*5.7		0	IC 52	not used	751798	IC SN 751798 P		0	R 820	57.60.1822	82K	MF, 1%, 0204, E24		0	R 820	57.60.1822	82K	MF, 1%, 0204, E24	
0	C 76	not used	33n	CER 50V, 10%, X7R, 0805		0	IC 53	not used	L4960	L 4960,		0	R 821	57.60.1273	27K	MF, 1%, 0204, E24		0	R 821	57.60.1273	27K	MF, 1%, 0204, E24	
0	C 77	not used	10n	CER 50V, 10%, X7R, 0805		0	IC 54	50.62.1904	74HC04	Hex inverter unbuffered		0	R 822	57.60.1104	100K	MF, 1%, 0204, E24		0	R 822	57.60.1104	100K	MF, 1%, 0204, E24	
0	C 78	not used	1n5	CER 50V, 10%, X7R, 0805		0	IC 55	50.15.0120	MAX232	IC MAX 232 CPE		0	R 823	57.60.1823	82K	MF, 1%, 0204, E24		0	R 823	57.60.1823	82K	MF, 1%, 0204, E24	
0	C 79	not used	10u	EL 16V, 4.0*5.7		0	IC 56	not used	MAX232	IC MAX 232 CPE		0	R 824	57.60.1822	82K	MF, 1%, 0204, E24		0	R 824	57.60.1822	82K	MF, 1%, 0204, E24	
0	C 80	not used	10u	EL 16V, 4.0*5.7		0	IC 57	50.04.4501	PC900V	DLQ PC 900 V		0	R 825	not used	3K3	MF, 1%, 0204, E24		0	R 825	not used	3K3	MF, 1%, 0204, E24	
0	C 81	not used	22u	EL 35V, 6.3*5.7		0	IC 58	50.62.1014	74HC 14	Hex Schmitt trigger inverter		0											



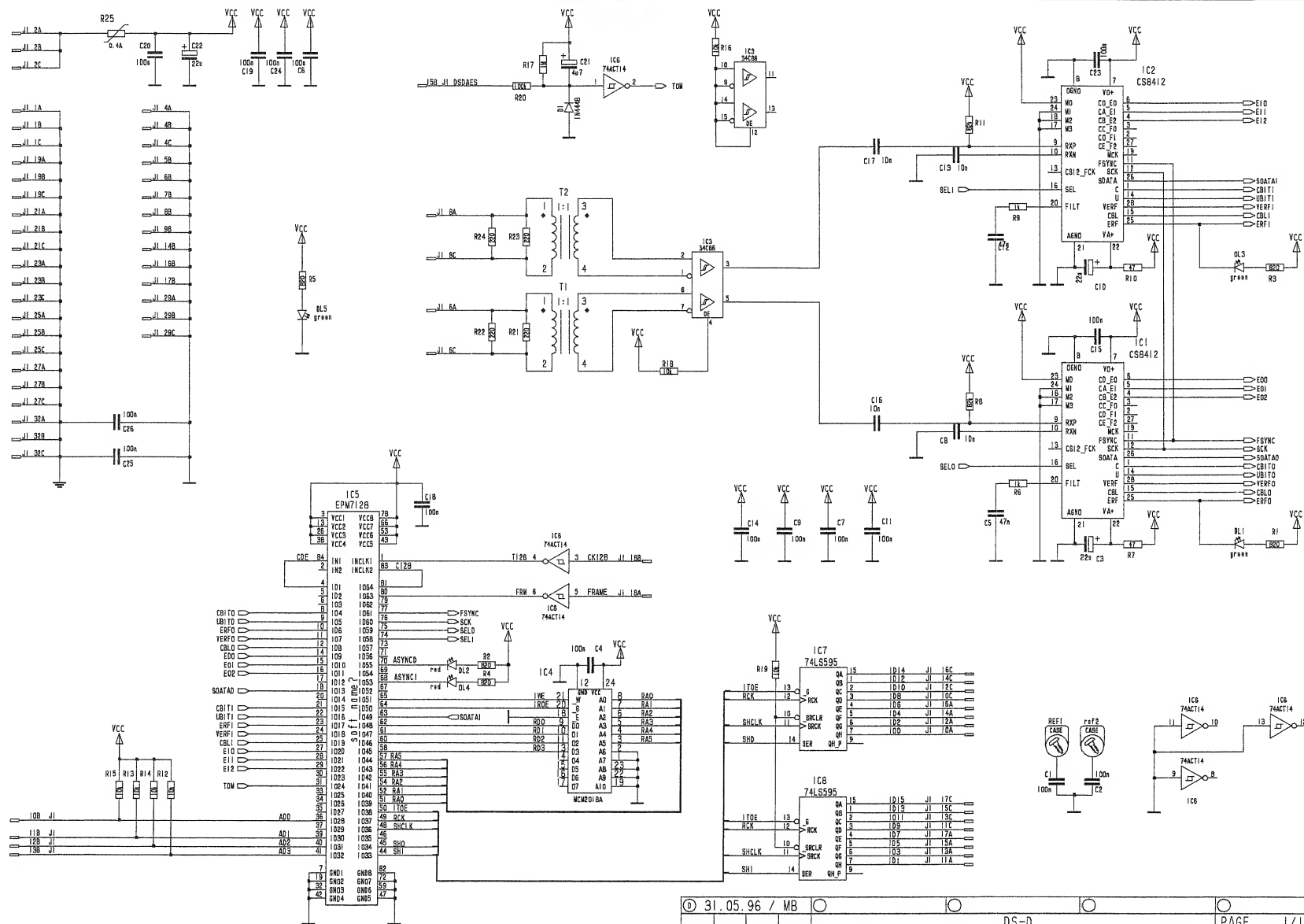
Processor Board I.940.576.23

Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 855	not used		0R0	MF, 0204
0	R 856	not used		0R0	MF, 0204
0	R 857	not used		0R0	MF, 0204
0	R 858	not used		0R0	MF, 0204
0	S i	55.01.0164		4*a	SZ, 4*A, DiL
0	T 5	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 6	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 7	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 8	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 9	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	TP 3	54.33.6010		2.8*0.8	PCB-Flachstecker, gerade
0	XDL 1	50.20.2501		Spacer	LED-Sockel
0	XDL 2	50.20.2501		Spacer	LED-Sockel
0	XIC 36	53.03.0166		8p	DIL 0.3", lötl, gerade
0	XIC 39	53.03.2232		32p	PLCC-Socket
0	XIC 52	not used		8p	DIL 0.3", lötl, gerade
0	XIC 55	53.03.0168		16p	DIL 0.3", lötl, gerade
0	XIC 56	not used		16p	DIL 0.3", lötl, gerade
0	Y 1	89.60.1003		12.000MHz	SMD Quartz
0	Y 2	89.60.1007		14.7456MHz	SMD Quartz
0	Y 3	not used		12.000MHz	XTAL HC 49/U

End of List

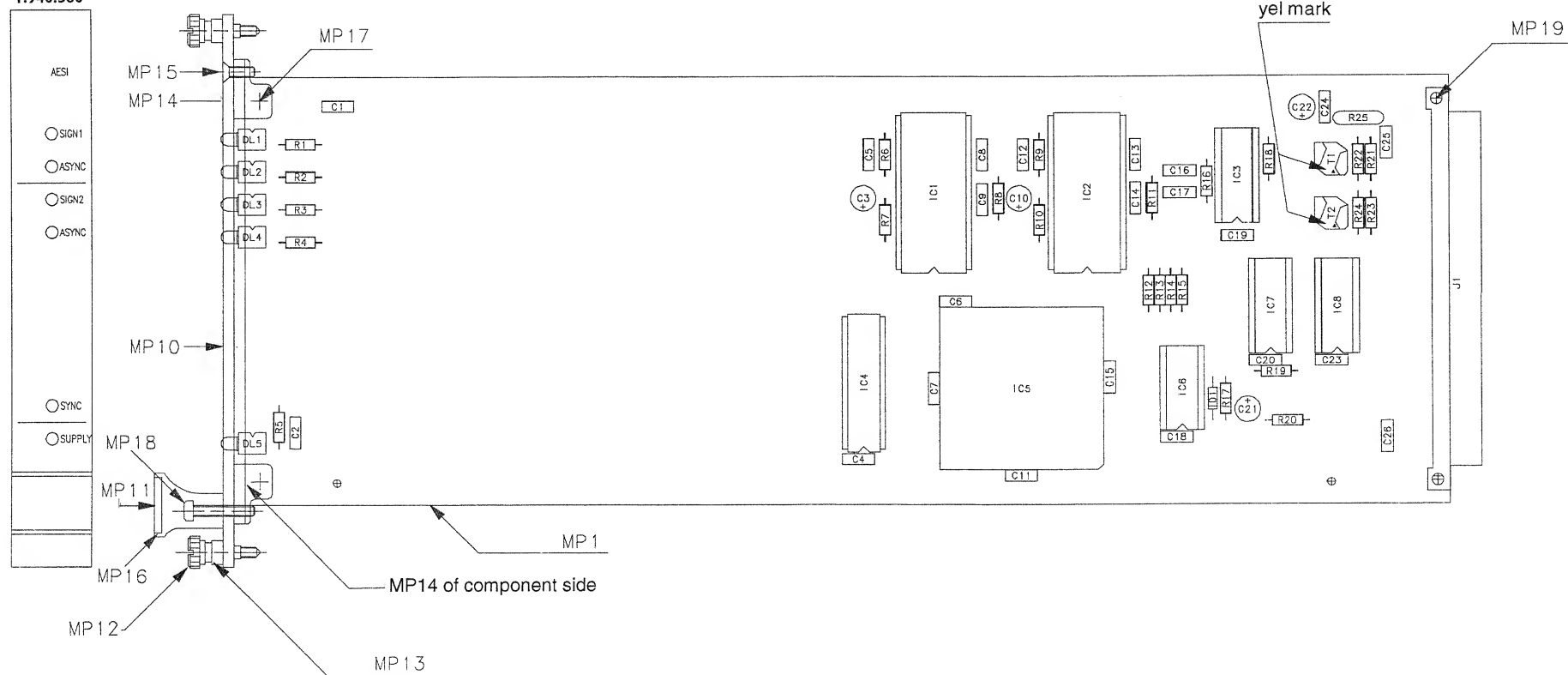
Comments

D19M AES1 Board 1.940.580.20





1.940.580



Modifikation						
Änderung						
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Kopie fuer:						
Kalender:	1.940.580.20					



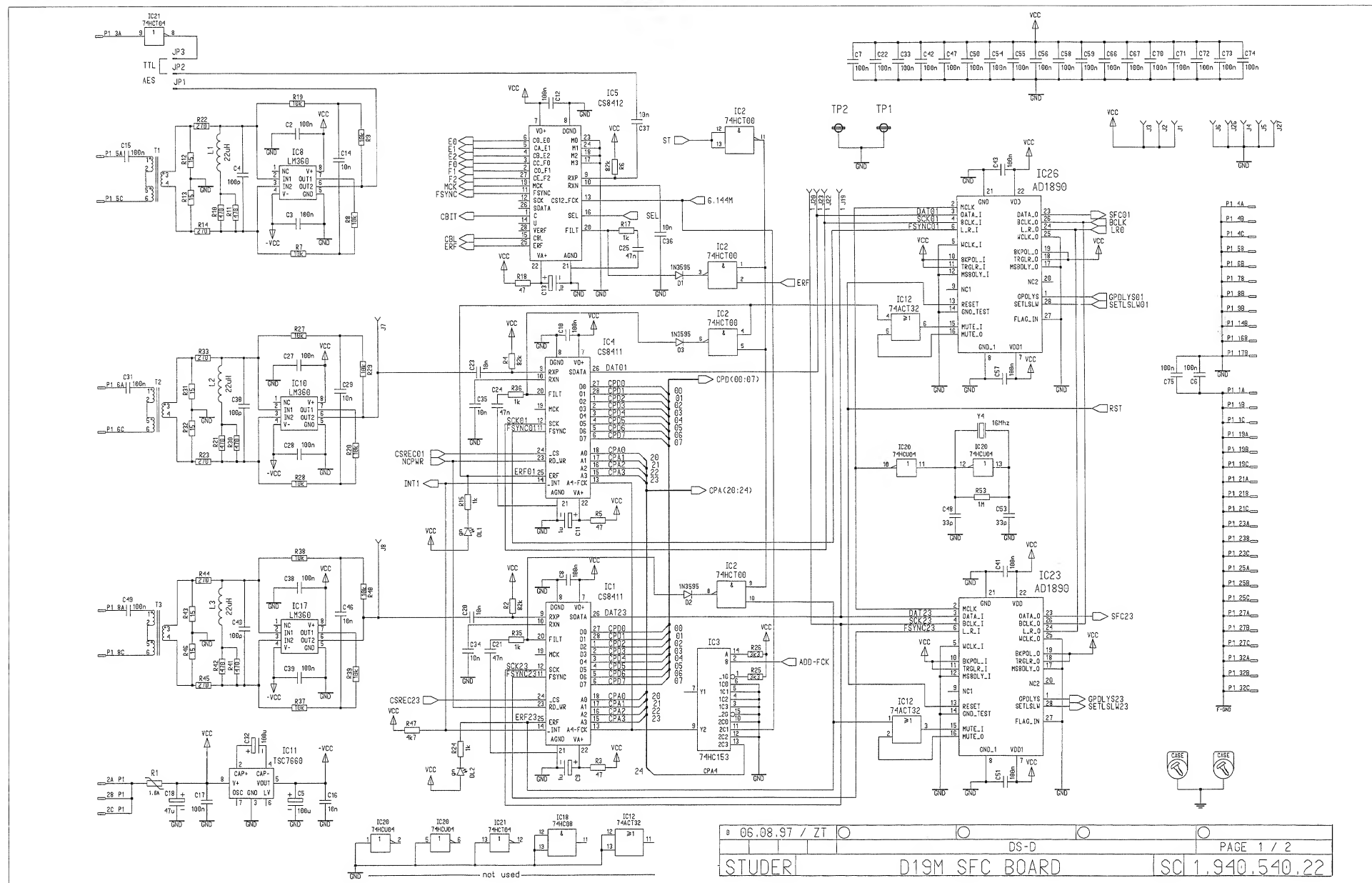
D19m AESI Board I.940.580.21

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.06.0104		100n	PETP, 10%, 63V	0	R 16	57.11.3103		10k	MF, 1%, 0207
0	C 2	59.06.0104		100n	PETP, 10%, 63V	0	R 17	57.11.3105		1M0	MF, 1%, 0207
0	C 3	59.22.5220		22u	EL 25V, 20%, rad RM5	0	R 18	57.11.3103		10k	MF, 1%, 0207
0	C 4	59.06.0104		100n	PETP, 10%, 63V	0	R 19	57.11.3103		10k	MF, 1%, 0207
0	C 5	59.06.0473		47n	PETP, 10%, 63V	0	R 20	57.11.3104		100k	MF, 1%, 0207
0	C 6	59.06.0104		100n	PETP, 10%, 63V	0	R 21	57.11.3221		220R	MF, 1%, 0207
0	C 7	59.06.0104		100n	PETP, 10%, 63V	0	R 22	57.11.3221		220R	MF, 1%, 0207
0	C 8	59.06.0103		10n	PETP, 10%, 63V	0	R 23	57.11.3221		220R	MF, 1%, 0207
0	C 9	59.06.0104		100n	PETP, 10%, 63V	0	R 24	57.11.3221		220R	MF, 1%, 0207
0	C 10	59.22.5220		22u	EL 25V, 20%, rad RM5	0	R 25	57.92.7053		1.6A	RT 1.6 A ,POLY- PTC 30V
0	C 11	59.06.0104		100n	PETP, 10%, 63V						
0	C 12	59.06.0473		47n	PETP, 10%, 63V	0	T 1	1.022.632.00		1.022.632.00	DI/DO TRANSFORMER
0	C 13	59.06.0103		10n	PETP, 10%, 63V	0	T 2	1.022.632.00		1.022.632.00	DI/DO TRANSFORMER
0	C 14	59.06.0104		100n	PETP, 10%, 63V						
0	C 15	59.06.0104		100n	PETP, 10%, 63V	0	XDL 1	50.20.2501		Spacer	LED-Sockel
0	C 16	59.06.0103		10n	PETP, 10%, 63V	0	XDL 2	50.20.2501		Spacer	LED-Sockel
0	C 17	59.06.0103		10n	PETP, 10%, 63V	0	XDL 3	50.20.2501		Spacer	LED-Sockel
0	C 18	59.06.0104		100n	PETP, 10%, 63V	0	XDL 4	50.20.2501		Spacer	LED-Sockel
0	C 19	59.06.0104		100n	PETP, 10%, 63V	0	XDL 5	50.20.2501		Spacer	LED-Sockel
0	C 20	59.06.0104		100n	PETP, 10%, 63V						
0	C 21	59.22.8479		4u7	EL 50V, 20%, rad RM5	0	XIC 5	53.03.2284		XIC PLCC84	XIC PLCC 84 PIN
0	C 22	59.22.5220		22u	EL 25V, 20%, rad RM5						
0	C 23	59.06.0104		100n	PETP, 10%, 63V						
0	C 24	59.06.0104		100n	PETP, 10%, 63V						
0	C 25	59.06.0104		100n	PETP, 10%, 63V						
0	C 26	59.06.0104		100n	PETP, 10%, 63V						
0	D 1	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35						
0	DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN <i>gesockelt mit 50.20.2501</i>						
0	DL 2	50.04.2200		HLMP1700	DL HLMP - 1700 RT <i>gesockelt mit 50.20.2501</i>						
0	DL 3	50.04.2202		HLMP1790	DL HLMP - 1790 GN <i>gesockelt mit 50.20.2501</i>						
0	DL 4	50.04.2200		HLMP1700	DL HLMP - 1700 RT <i>gesockelt mit 50.20.2501</i>						
0	DL 5	50.04.2202		HLMP1790	DL HLMP - 1790 GN <i>gesockelt mit 50.20.2501</i>						
0	IC 1	50.13.0202		CS8412	IC CS 8412-CP ,A						
0	IC 2	50.13.0202		CS8412	IC CS 8412-CP ,A						
0	IC 3	50.15.0128		34C86	IC DS 34 C 86 TN, MC34C86P ,A						
0	IC 4	50.14.1009		CY7C128-35	IC MCM 2018 A - 35 ,A						
0	IC 5	1.940.960.21			SW 580 DSDAI (50.63.4205) <i>gesockelt mit 53.03.2284</i>						
0	IC 6	50.17.7014		ACT14	.. 74 ACT 14 .						
0	IC 7	50.06.0595		74LS595	IC SN 74 LS 595 N						
0	IC 8	50.06.0595		74LS595	IC SN 74 LS 595 N						
0	J 1	54.11.2009			J EU-R 3 * 32						
0	MP 1	1.940.580.11			D19M AESI BOARD PCB						
0	MP 2	1.940.580.04			TYPENSCHILD						
0	MP 3	43.01.0108		Label	ESE-WARNSCHILD						
0	MP 4	not used		Label	TEXT-ETIK. 5*20 HARDWARE -20						
0	MP 10	1.940.580.01	1 pce		FRONTPLATTE						
0	MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE						
0	MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)						
0	MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)						
0	MP 14	49.02.0522	2 pcs		Kartenhalter (Rack)						
0	MP 15	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp						
0	MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff						
0	MP 17	21.53.0279	2 pcs		Z - SCHR. IS , ZN , M2.5 * 6						
0	MP 18	21.53.0284	1 pce		Z - SCHR. IS , ZN , M2.5 * 16						
0	MP 19	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9						
0	R 1	57.11.3821		820R	MF, 1%, 0207						
0	R 2	57.11.3821		820R	MF, 1%, 0207						
0	R 3	57.11.3821		820R	MF, 1%, 0207						
0	R 4	57.11.3821		820R	MF, 1%, 0207						
0	R 5	57.11.3821		820R	MF, 1%, 0207						
0	R 6	57.11.3102		1k0	MF, 1%, 0207						
0	R 7	57.11.3470		47R	MF, 1%, 0207						
0	R 8	57.11.3823		82k	MF, 1%, 0207						
0	R 9	57.11.3102		1k0	MF, 1%, 0207						
0	R 10	57.11.3470		47R	MF, 1%, 0207						
0	R 11	57.11.3823		82k	MF, 1%, 0207						
0	R 12	57.11.3103		10k	MF, 1%, 0207						
0	R 13	57.11.3103		10k	MF, 1%, 0207						
0	R 14	57.11.3103		10k	MF, 1%, 0207						
0	R 15	57.11.3103		10k	MF, 1%, 0207						

End of List

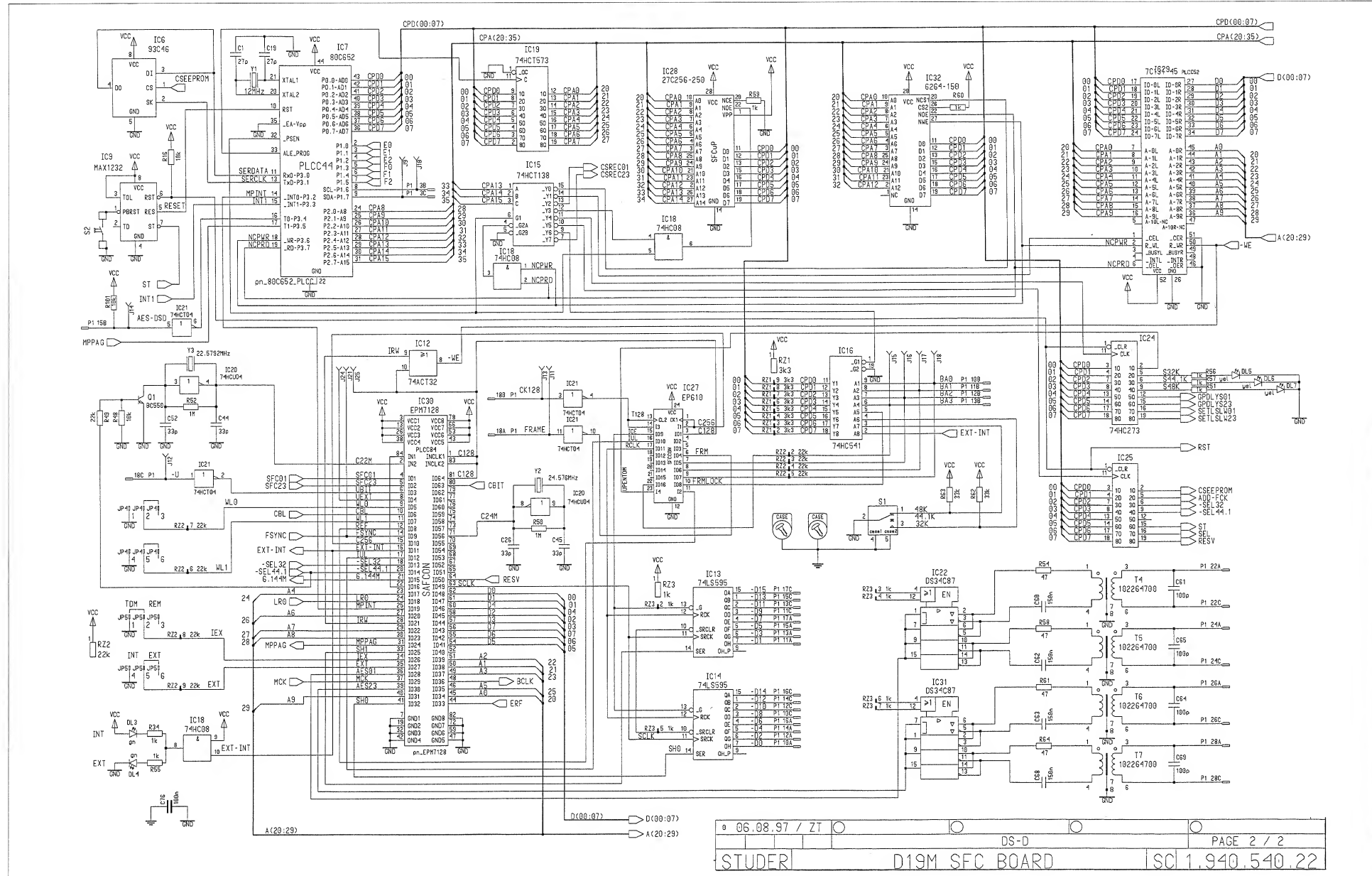
Comments

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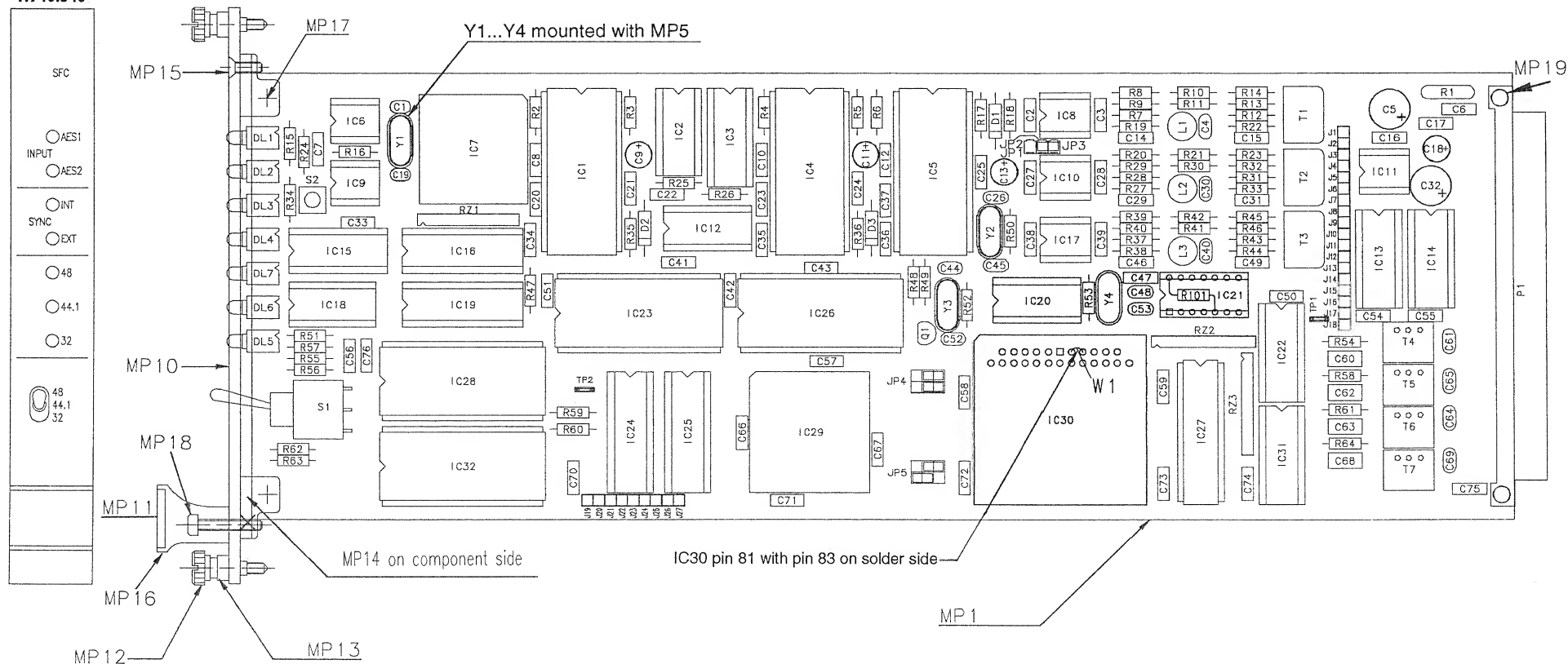
D19M SFC Board 1.940.540.22





D19M SFC Board I.940.540.22

I.940.540



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Rev.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Rev.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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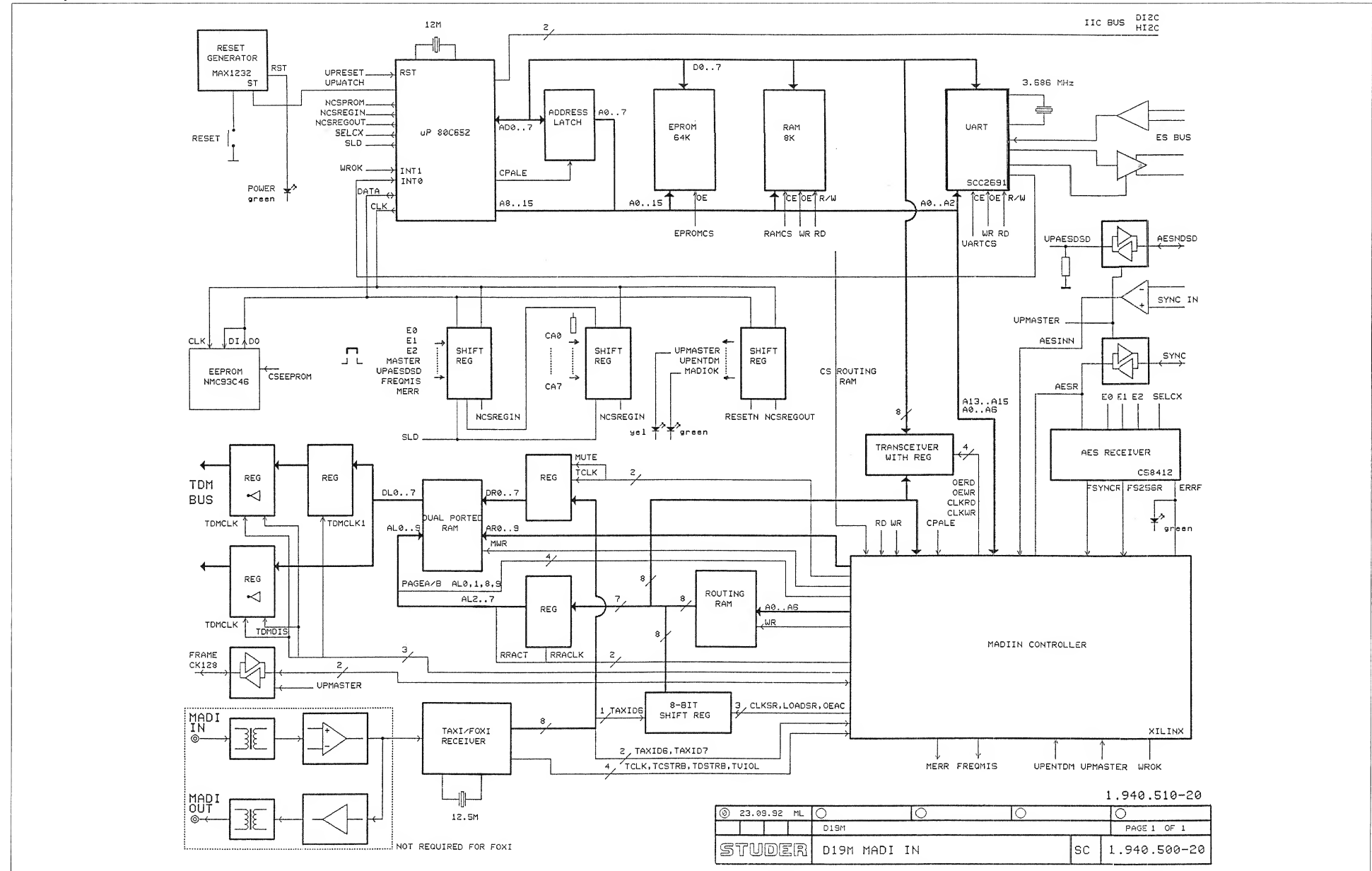
STUDER

D19m Digital Audio Processing

Block Diagram

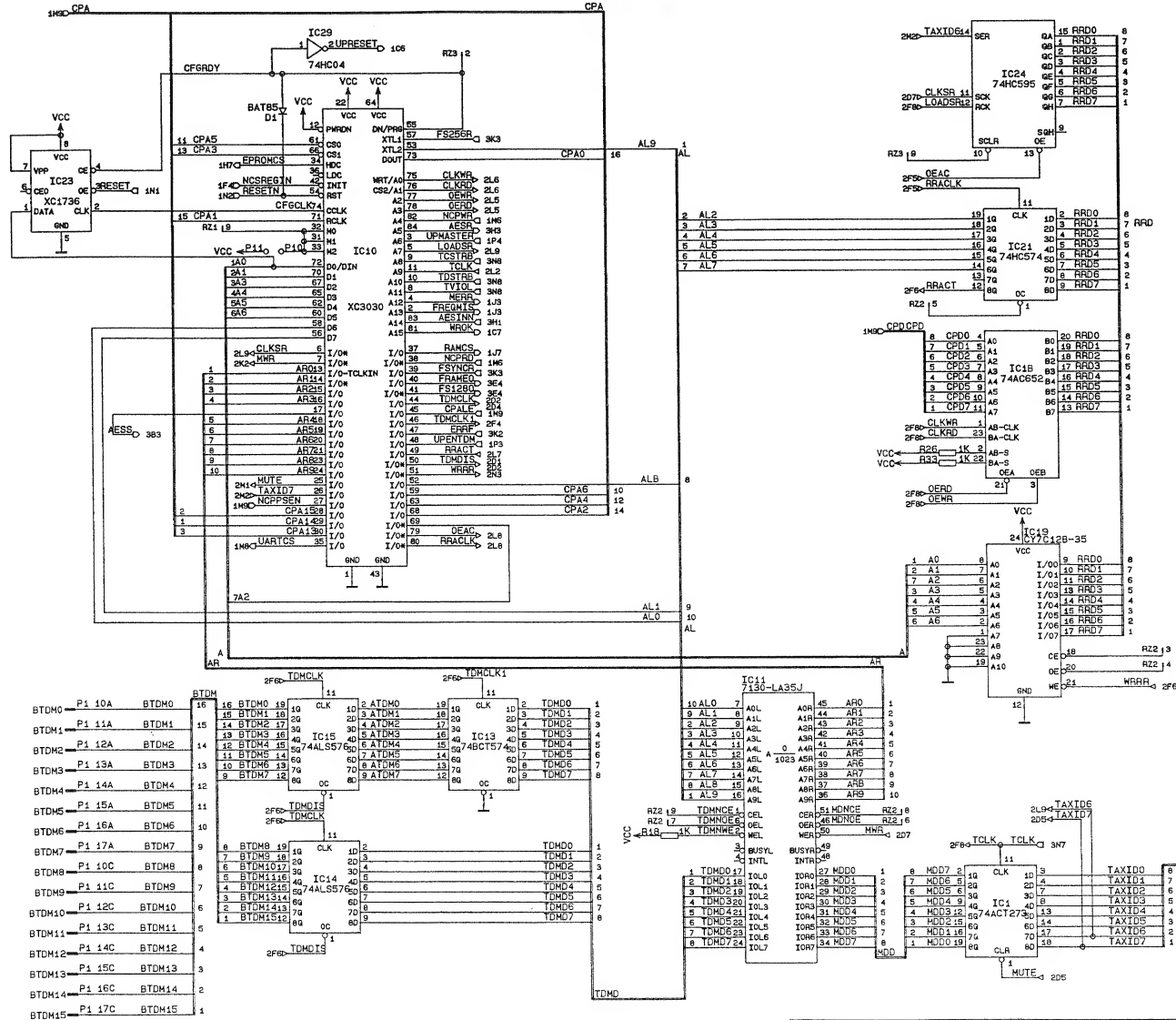
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Madi Optical 1.940.510





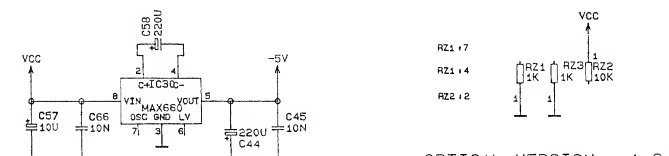
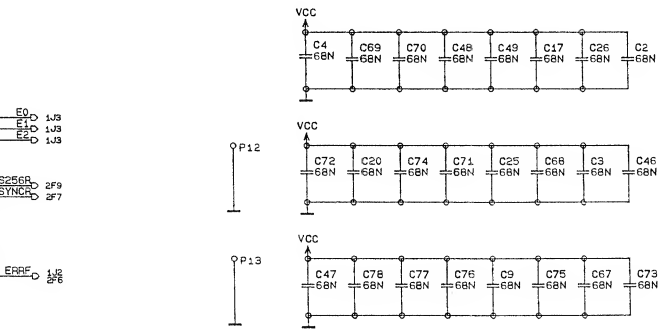
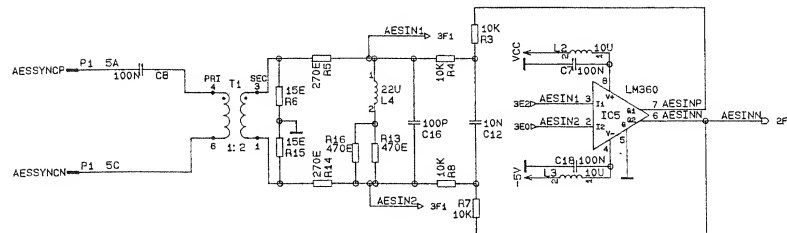
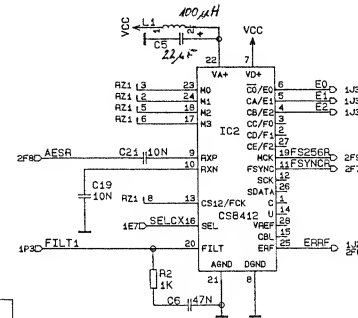
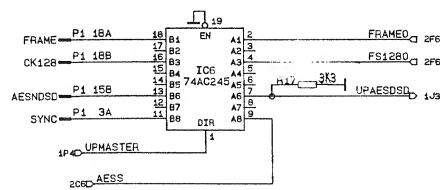
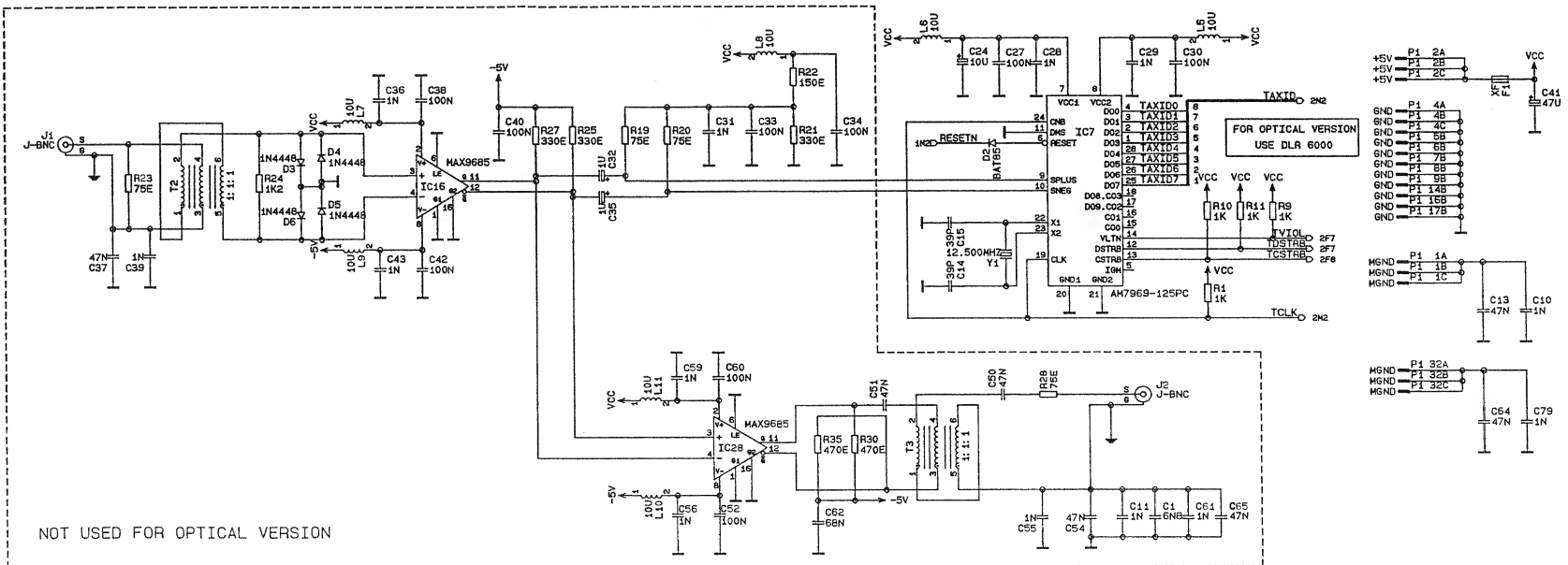
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Madi Optical 1.940.510.21



OPTICAL VERSION: 1.940.510.21

D19M Madi Coaxial 1.940.500.21

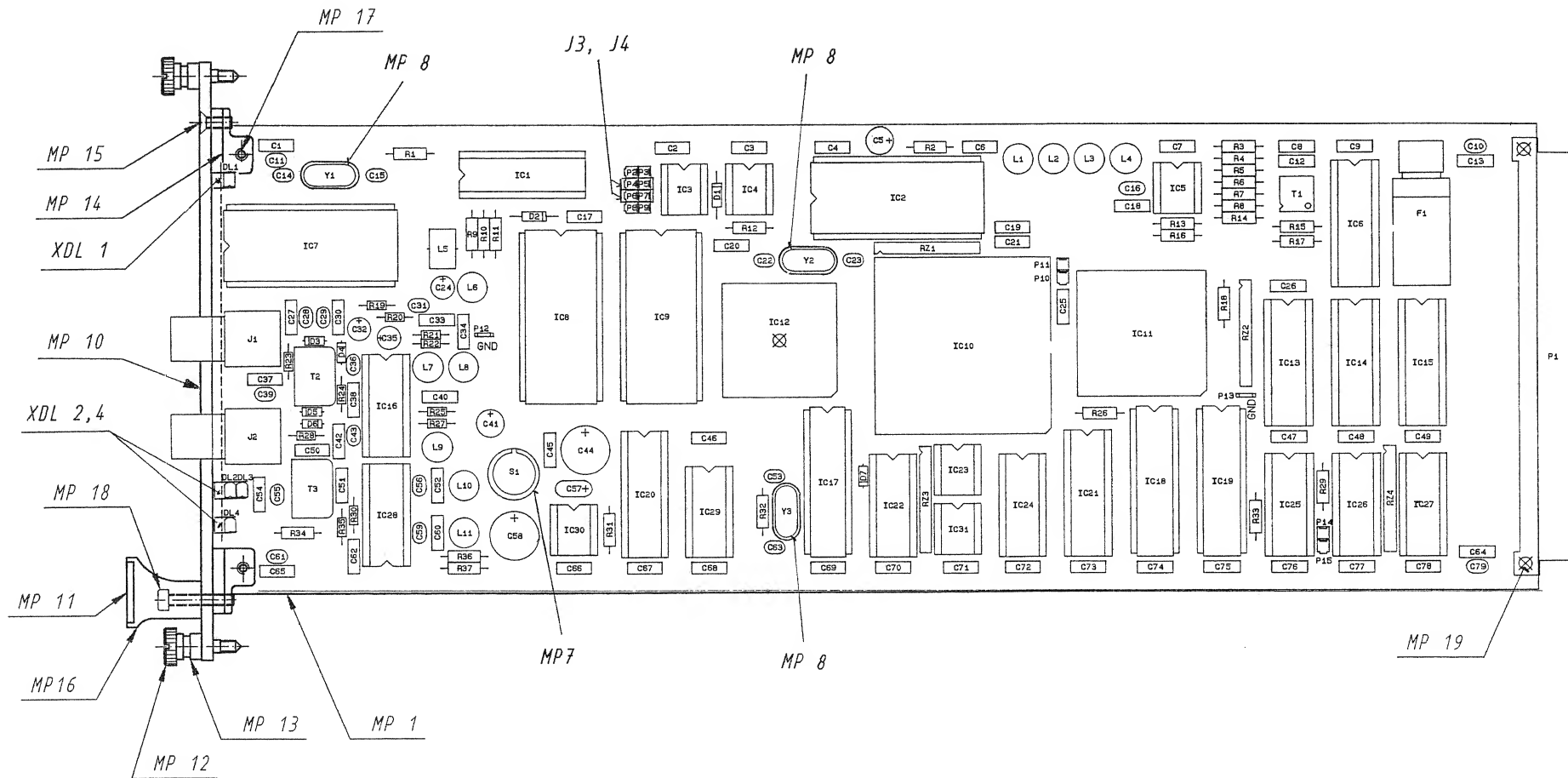
Madi Optical 1.940.510.21



OPTICAL VERSION: 1.940.510.21



D19M Madi Coaxial 1.940.500.21
Madi Optical 1.940.510.21



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DI9M Madi Coaxial I.940.500.21

Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.06.0682	6n8	PETP, 63V, 10%, RM5		0	D 4	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	
0	C 2	59.06.0683	68n	PETP, 63V, 10%, RM5		0	D 5	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	
0	C 3	59.06.0683	68n	PETP, 63V, 10%, RM5		0	D 6	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	
0	C 4	59.06.0683	68n	PETP, 63V, 10%, RM5		0	D 7	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	
0	C 5	59.22.5220	22u	EL 25V 20% RM5		0	DL 1	50.04.2202	HLMP1790	DL HLMP - 1790	GN
0	C 6	59.06.0473	47n	PETP, 63V, 10%, RM5		0	DL 2	50.04.2202	HLMP1790	DL HLMP - 1790	GN
0	C 7	59.06.0104	100n	PETP, 63V, 10%, RM5		0	DL 3	50.04.2201	HLMP1719	DL HLMP - 1719	GB
0	C 8	59.06.0104	100n	PETP, 63V, 10%, RM5		0	DL 4	50.04.2202	HLMP1790	DL HLMP - 1790	GN
0	C 9	59.06.0683	68n	PETP, 63V, 10%, RM5		0	F 1	51.01.0119	1.6A	T 5*20 L 250V	
0	C 10	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	IC 1	50.17.7273	ACT273	.. 74 ACT 273 .	
0	C 11	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	IC 2	50.13.0202	CS8412	IC CS 8412-CP	,A
0	C 12	59.06.0103	10n	PETP, 63V, 10%, RM5		0	IC 3	50.11.0159	MAX1232	IC MAX 1232 CPA, DS 1232	
0	C 13	59.06.0473	47n	PETP, 63V, 10%, RM5		0	IC 4	50.14.2103	93C46	EEPROM 64 * 16, serial	
0	C 14	59.34.2390	39p	CER 63V, 5%, N150		0	IC 5	50.11.1002	LM360	High speed Comparator	
0	C 15	59.34.2390	39p	CER 63V, 5%, N150		0	IC 6	50.06.0245	74LS245	SN 74 LS 245 N	
0	C 16	59.34.4101	100p	CER 63V, 5%, N750		0	IC 7	50.16.0702	AM7969-125	TAXI Receiver	
0	C 17	59.06.0683	68n	PETP, 63V, 10%, RM5		0	IC 8	1.940.940.20	SW 500 MADI (50.14.2002)		
0	C 18	59.06.0104	100n	PETP, 63V, 10%, RM5		0	IC 9	50.14.0133	5565	IC HM 6264LP-15	,A
0	C 19	59.06.0103	10n	PETP, 63V, 10%, RM5		0	IC 10	50.63.4002	XC3030A-7	LCA 3000 / 3000 PLCC84	
0	C 20	59.06.0683	68n	PETP, 63V, 10%, RM5		0	IC 11	50.63.1702	CY7C130	Dualport SRAM, 1K*8	
0	C 21	59.06.0103	10n	PETP, 63V, 10%, RM5		0	IC 12	50.63.0009	80C652	MPU 8bit	
0	C 22	59.34.2270	27p	CER 63V, 5%, N150		0	IC 13	50.17.0574	74HCT574	IC .. 74 HCT574 ..	,A
0	C 23	59.34.2270	27p	CER 63V, 5%, N150		0	IC 14	50.06.1576	74ALS576	Octal D-Type FF, tri	
0	C 24	59.22.6100	10u	EL 35V 20% RM5		0	IC 15	50.06.1576	74ALS576	Octal D-Type FF, tri	
0	C 25	59.06.0683	68n	PETP, 63V, 10%, RM5		0	IC 16	50.11.0156	MAX9685	ECL Comparator, latching	
0	C 26	59.06.0683	68n	PETP, 63V, 10%, RM5		0	IC 17	50.16.0201	SCC2691	IC SCC 2691 AE 1 N 24	,A
0	C 27	59.06.0104	100n	PETP, 63V, 10%, RM5		0	IC 18	50.17.5652	74AC652	Octal Bus Reg/Transceiver	
0	C 28	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	IC 19	50.14.1009	7C128A	SRAM 2K*8 35ns	
0	C 29	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	IC 20	50.17.0573	74HCT573	IC .. 74 HCT573 ..	,A
0	C 30	59.06.0104	100n	PETP, 63V, 10%, RM5		0	IC 21	50.17.1574	74HC574	IC ... 74 HC 574 ..	,A
0	C 31	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	IC 22	50.17.1594	74HC594	IC ... 74 HC 594 ..	,A
0	C 32	59.30.6109	1u	TA, 20%, 35V		0	IC 23	1.940.941.21	SW 500 MADIIN (50.14.1501)		
0	C 33	59.06.0104	100n	PETP, 63V, 10%, RM5		0	IC 24	50.17.1595	74HC595	IC ... 74 HC 595 ..	,A
0	C 34	59.06.0104	100n	PETP, 63V, 10%, RM5		0	IC 25	50.15.0121	75174	IC SN 75174 N	
0	C 35	59.30.6109	1u	TA, 20%, 35V		0	IC 26	50.17.1589	74HC589	MC 74 HC 589 N	
0	C 36	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	IC 27	50.17.1589	74HC589	MC 74 HC 589 N	
0	C 37	59.06.0473	47n	PETP, 63V, 10%, RM5		0	IC 28	50.11.0156	MAX9685	ECL Comparator, latching	
0	C 38	59.06.0104	100n	PETP, 63V, 10%, RM5		0	IC 29	50.17.1004	74HC04	IC ... 74 HC 04 ..	,A
0	C 39	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	IC 30	50.10.0124	MAX660	V-Converter ... +5.5V to -5.5V	
0	C 40	59.06.0104	100n	PETP, 63V, 10%, RM5		0	IC 31	50.15.0114	9637	Dual diff Line Receiver	
0	C 41	59.22.3470	47u	EL 10V 20% RM5		0	J 1	54.21.2031	BNC	J 1 POL PRINT/WINKEL BNC	
0	C 42	59.06.0104	100n	PETP, 63V, 10%, RM5		0	J 2	54.21.2031	BNC	J 1 POL PRINT/WINKEL BNC	
0	C 43	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	J 3	54.01.0021	Jumper	0.63 * 0.63mm	
0	C 44	59.22.4221	220u	EL 16V 20% RM5		0	J 4	54.01.0021	Jumper	0.63 * 0.63mm	
0	C 45	59.06.0103	10n	PETP, 63V, 10%, RM5		0	L 1	62.02.3101	100uH	10%, radial RM 5	
0	C 46	59.06.0683	68n	PETP, 63V, 10%, RM5		0	L 2	62.02.3100	10uH	10%, radial RM 5	
0	C 47	59.06.0683	68n	PETP, 63V, 10%, RM5		0	L 3	62.02.3100	10uH	10%, radial RM 5	
0	C 48	59.06.0683	68n	PETP, 63V, 10%, RM5		0	L 4	62.02.3220	22uH	10%, radial RM 5	
0	C 49	59.06.0683	68n	PETP, 63V, 10%, RM5		0	L 5	62.03.0001	10uH	1A Toroid Chocke	
0	C 50	59.06.0473	47n	PETP, 63V, 10%, RM5		0	L 6	62.02.3100	10uH	10%, radial RM 5	
0	C 51	59.06.0473	47n	PETP, 63V, 10%, RM5		0	L 7	62.02.3100	10uH	10%, radial RM 5	
0	C 52	59.06.0104	100n	PETP, 63V, 10%, RM5		0	L 8	62.02.3100	10uH	10%, radial RM 5	
0	C 53	59.34.0339	3p3	CER 63V, 5%, P100		0	L 9	62.02.3100	10uH	10%, radial RM 5	
0	C 54	59.06.0473	47n	PETP, 63V, 10%, RM5		0	L 10	62.02.3100	10uH	10%, radial RM 5	
0	C 55	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	L 11	62.02.3100	10uH	10%, radial RM 5	
0	C 56	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	MP 1	1.940.500.11	D19M MADI PCB		
0	C 57	59.22.6100	10u	EL 35V 20% RM5		0	MP 2	1.010.057.43	Baugruppenschild		
0	C 58	59.22.4221	220u	EL 16V 20% RM5		0	MP 3	43.01.0108	Label	ESE-WARNSCHILD	
0	C 59	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	MP 5	1.010.117.51	Label	TEXT-ETIK. 5*20	(T1.60A)
0	C 60	59.06.0104	100n	PETP, 63V, 10%, RM5		0	MP 7	1.010.015.50	Spacer	Isolierscheibe	
0	C 61	59.32.4102	1n	C 1000 P, 20%, 50V, CER		0	MP 8	89.01.1499	3 pcs	QUARZ - ISOLIERPLATTE	
0	C 62	59.06.0683	68n	PETP, 63V, 10%, RM5		0	MP 10	1.940.500.01	1 pce	FRONTPLATTE	
0	C 63	59.34.0339	3p3	CER 63V, 5%, P100		0	MP 11	1.940.600.04	1 pce	GRIFFEINLAGE 4TE	
0	C 64	59.06.0473	47n	PETP, 63V, 10%, RM5		0	MP 12	49.02.0520	2 pcs	Rändelschraube (Rack)	
0	C 65	59.06.0473	47n	PETP, 63V, 10%, RM5		0	MP 13	49.02.0521	2 pcs	Metall-Buchse (Rack)	
0	C 66	59.06.0103	10n	PETP, 63V, 10%, RM5		0	MP 14	49.02.0522	2 pcs	Kartenhalter (Rack)	
0	C 67	59.06.0683	68n	PETP, 63V, 10%, RM5		0	MP 15	49.02.0523	1 pce	Senk-Schr, KS, Senkripp	
0	C 68	59.06.0683	68n	PETP, 63V, 10%, RM5		0	MP 16	49.02.0504	1 pce	Frontplatten-Griff	
0	C 69	59.06.0683	68n	PETP, 63V, 10%, RM5		0	MP 17	21.53.0279	2 pcs	M2.5*6 Z-Schraube Inbus Zn gb chr	
0	C 70	59.06.0683	68n	PETP, 63V, 10%, RM5		0	MP 18	21.53.0284	1 pce	M2.5*16 Z-Schraube Inbus Zn gb chr	
0	C 71	59.06.0683	68n	PETP, 63V, 10%, RM5		0	MP 19	28.99.0119	2 pcs	ROHRNIETE D 2.5*0.15* 9	
0	C 72	59.06.0683	68n	PETP, 63V, 10%, RM5		0	MP 20	1.101.001.21	1 pce	TEXT-ETIK. 5*20 HARDWARE -21	
0	C 73	59.06.0683	68n	PETP, 63V, 10%, RM5		0	P 1	54.11.2009	96p	EU-R 3*32p	
0	C 74	59.06.0683	68n	PETP, 63V, 10%, RM5		0	P 2	54.01.0020	1p	Pin 0.63*0.63	
0	C 75	59.06.0683	68n	PETP, 63V, 10%, RM5		0	P 3	54.01.0020	1p	Pin 0.63*0.63	
0	C 76	59.06.0683	68n	PETP, 63V, 10%, RM5		0	P 4	54.01.0020	1p	Pin 0.63*0.63	
0	C 77	59.06.0683	68n	PETP, 63V, 10%, RM5		0	P 5	54.01.0020	1p	Pin 0.63*0.63	
0	C 78	59.06.0683	68n	PETP, 63V, 10%, RM5		0	P 6	54.01.0020	1p	Pin 0.63*0.63	
0	C 79	59.32.4102	1n	C 1000 P, 20%, 50V, CER							
0	D 1	50.04.0127	BAT85	200mA, Schottky							
0	D 2	50.04.0127	BAT85	200mA, Schottky							
0	D 3	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35							



DI9M Madi Coaxial I.940.500.21

Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	P 7	54.01.0020		1p	Pin 0.63*0.63	0	XIC 25	53.03.0168		16p	DIL 0.3", lötl, gerade
0	P 8	54.01.0020		1p	Pin 0.63*0.63	0	XIC 31	53.03.0166		8p	DIL 0.3", lötl, gerade
0	P 9	54.01.0020		1p	Pin 0.63*0.63						
0	P 10	54.01.0020		1p	Pin 0.63*0.63	0	Y 1	89.01.1013		12.500MHz	XTAL HC 49/U
0	P 11	54.01.0020		1p	Pin 0.63*0.63	0	Y 2	89.01.1014		12.000MHz	XTAL HC 49/U
0	P 12	54.02.0320		1p	PCB-Flachst 2.8*0.8, gerade	0	Y 3	89.01.1002		3.6864MHz	XTAL HC 16 U
0	P 13	54.02.0320		1p	PCB-Flachst 2.8*0.8, gerade						
0	P 14	54.01.0020		1p	Pin 0.63*0.63						
0	P 15	54.01.0020		1p	Pin 0.63*0.63						
0	R 1	57.11.3102		1k0	MF, 1%, 0207						
0	R 2	57.11.3102		1k0	MF, 1%, 0207						
0	R 3	57.11.3103		10k	MF, 1%, 0207						
0	R 4	57.11.3103		10k	MF, 1%, 0207						
0	R 5	57.11.3271		270R	MF, 1%, 0207						
0	R 6	57.11.3150		15R	MF, 1%, 0207						
0	R 7	57.11.3103		10k	MF, 1%, 0207						
0	R 8	57.11.3103		10k	MF, 1%, 0207						
0	R 9	57.11.3102		1k0	MF, 1%, 0207						
0	R 10	57.11.3102		1k0	MF, 1%, 0207						
0	R 11	57.11.3102		1k0	MF, 1%, 0207						
0	R 12	57.11.3102		1k0	MF, 1%, 0207						
0	R 13	57.11.3471		470R	MF, 1%, 0207						
0	R 14	57.11.3271		270R	MF, 1%, 0207						
0	R 15	57.11.3150		15R	MF, 1%, 0207						
0	R 16	not used		470R	MF, 1%, 0207						
1	R 17	57.11.3332		3k3	MF, 1%, 0207						
0	R 18	57.11.3102		1k0	MF, 1%, 0207						
0	R 19	57.10.1750		75R	MF, 1%, 0204						
0	R 20	57.10.1750		75R	MF, 1%, 0204						
0	R 21	57.10.1331		330R	MF, 1%, 0204						
0	R 22	57.11.3151		150R	MF, 1%, 0207						
0	R 23	57.10.1750		75R	MF, 1%, 0204						
0	R 24	57.10.1122		1k2	MF, 1%, 0204						
0	R 25	57.10.1331		330R	MF, 1%, 0204						
0	R 26	57.11.3102		1k0	MF, 1%, 0207						
0	R 27	57.10.1331		330R	MF, 1%, 0204						
0	R 28	57.10.1750		75R	MF, 1%, 0204						
0	R 29	57.11.3103		10k	MF, 1%, 0207						
0	R 30	57.10.1471		470R	MF, 1%, 0204						
0	R 31	57.11.3102		1k0	MF, 1%, 0207						
0	R 32	57.11.3105		1M0	MF, 1%, 0207						
0	R 33	57.11.3102		1k0	MF, 1%, 0207						
0	R 34	57.11.3102		1k0	MF, 1%, 0207						
0	R 35	57.10.1471		470R	MF, 1%, 0204						
0	R 36	57.11.3102		1k0	MF, 1%, 0207						
0	R 37	57.11.3102		1k0	MF, 1%, 0207						
0	RZ 1	57.88.4102		1k0	8*R Resistor-Netw 2% SIP9						
0	RZ 2	57.88.4102		1k0	8*R Resistor-Netw 2% SIP9						
0	RZ 3	57.88.4103		10k	8*R Resistor-Netw 2% SIP9						
0	RZ 4	57.88.4333		33k	8*R Resistor-Netw 2% SIP9						
0	S 1	55.03.0122		1*a	S 1 TASTE, 1*A, PRINT,IMPULS						
0	T 1	63.15.0021			RF - Trafo						
0	T 2	63.15.0001			IMPULSTRANSFORMATOR						
0	T 3	63.15.0001			IMPULSTRANSFORMATOR						
0	XDL 1	50.20.2501		Spacer	LED-Sockel						
0	XDL 2	50.20.2501		Spacer	LED-Sockel						
0	XDL 3	50.20.2501		Spacer	LED-Sockel						
0	XF 1	53.03.0118			XF 5 * 20, PRINT-LIEGEND						
0	XIC 8	53.03.0173		28p	DIL 0.6", lötl, gerade						
0	XIC 10	53.03.2284		84p	PLCC-Socket						
0	XIC 11	53.03.2252		52p	PLCC-Socket						
0	XIC 12	53.03.2244		44p	PLCC-Socket						
0	XIC 14	53.03.0165		20p	DIL 0.3", lötl, gerade						
0	XIC 15	53.03.0165		20p	DIL 0.3", lötl, gerade						
0	XIC 23	53.03.0166		8p	DIL 0.3", lötl, gerade						

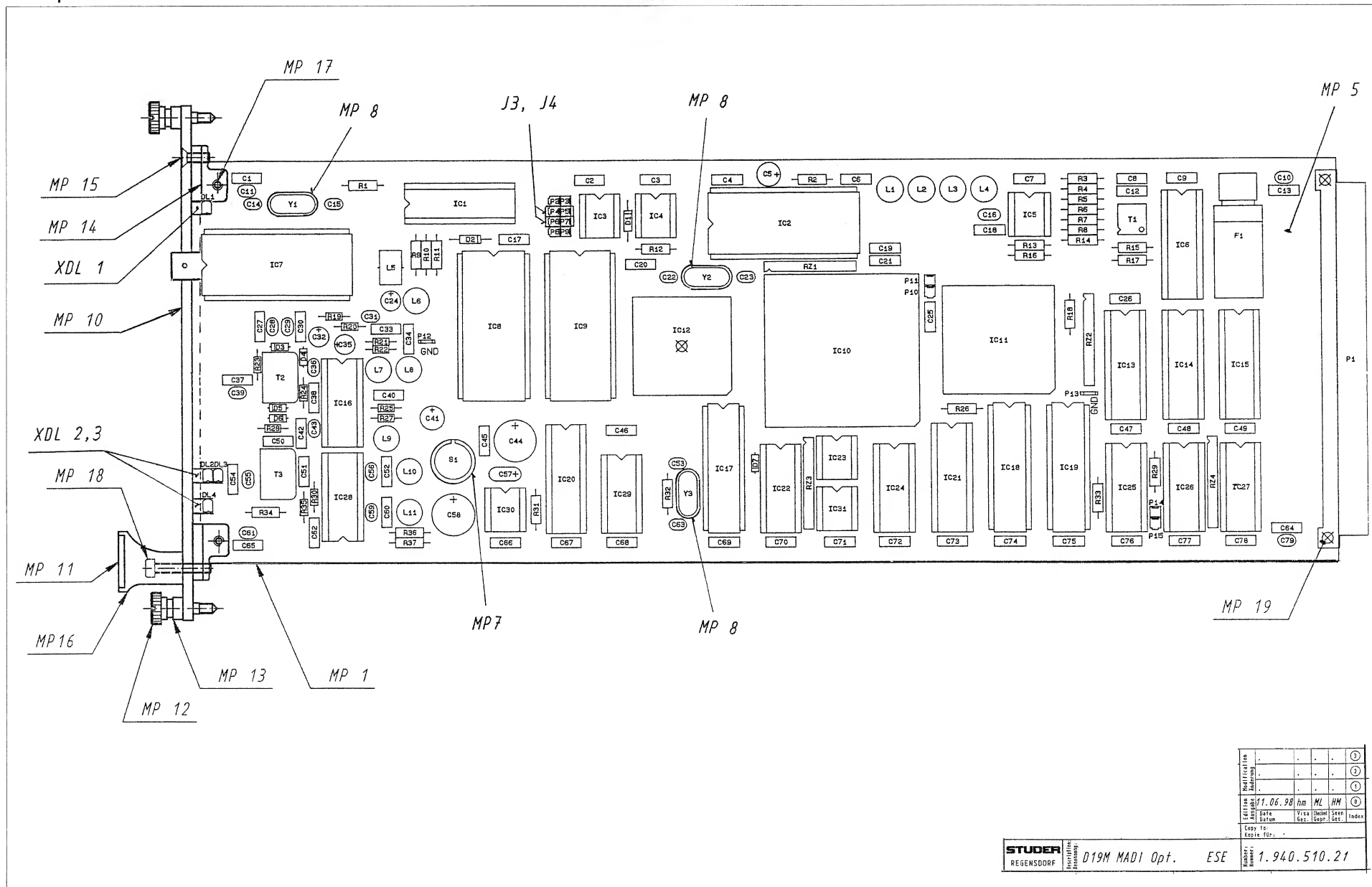
End of List

Comments

Datenübernahme



Madi Optical 1.940.510.21



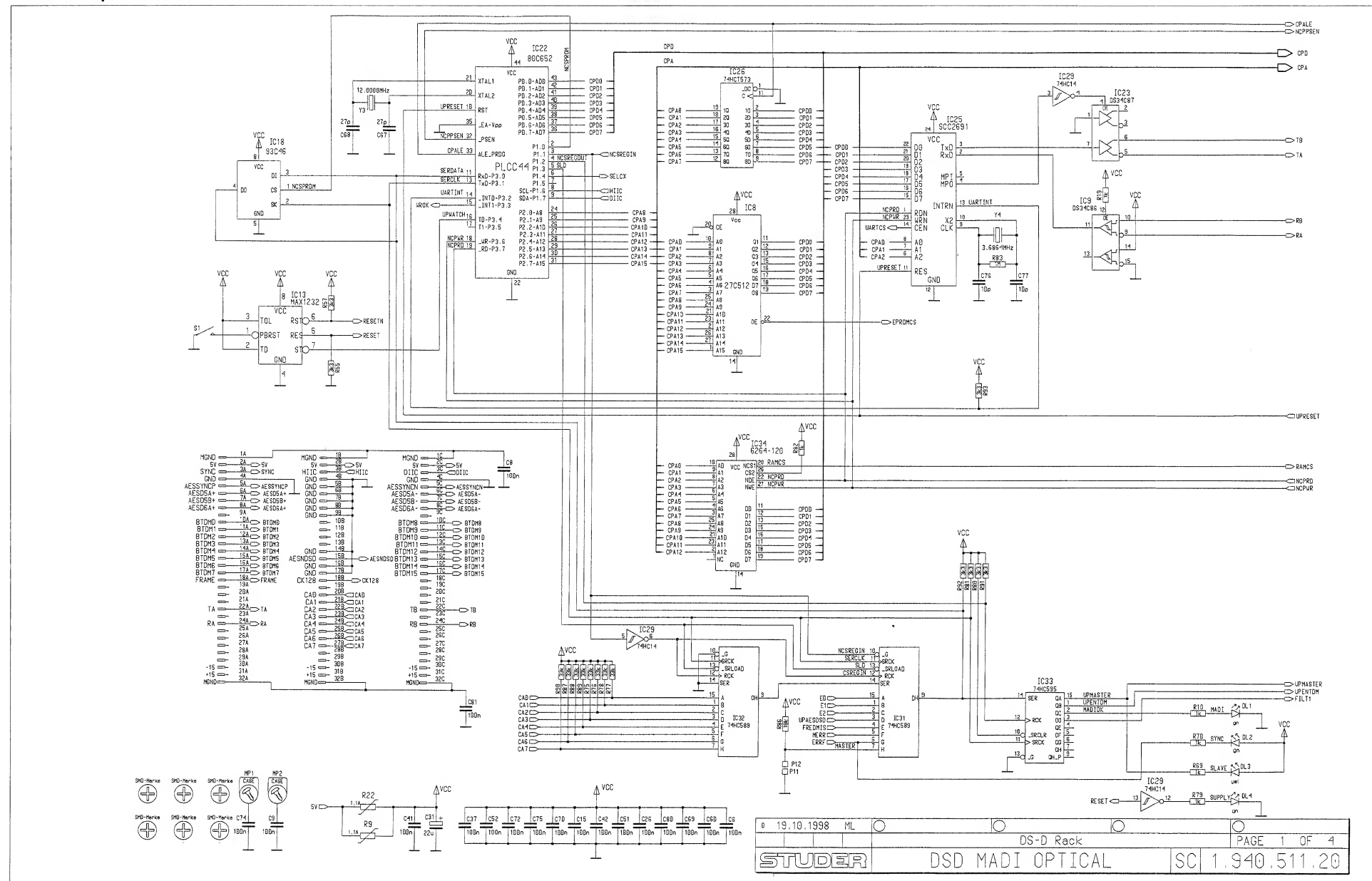


Madi Optical 1.940.510.21

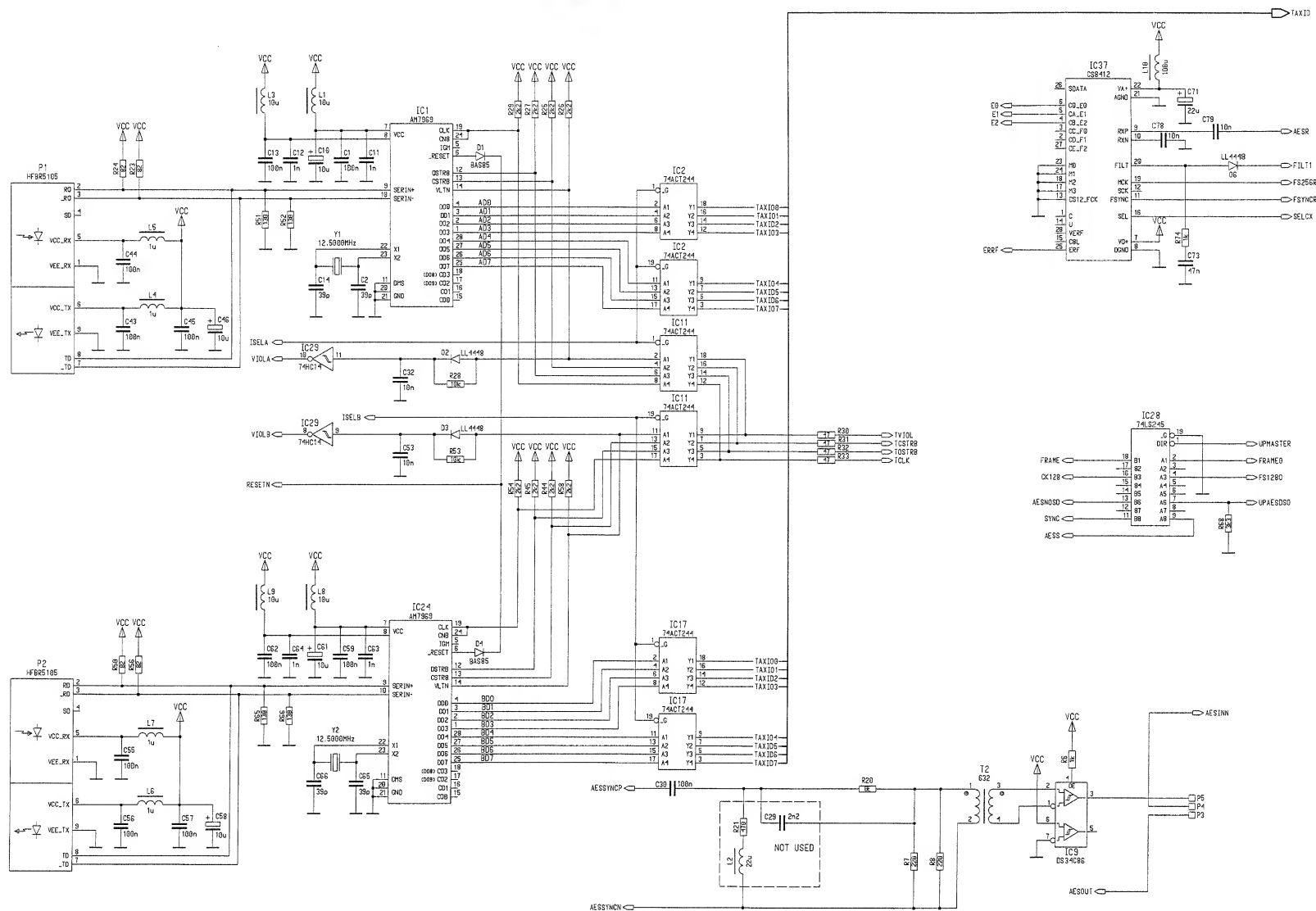
Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	not used			
0	C 2	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 3	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 4	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 5	59.22.5220	22u	EL 25V 20% RM5	
0	C 6	59.06.0473	47n	PETP, 63V, 10%, RM5	
0	C 7	59.06.0104	100n	PETP, 63V, 10%, RM5	
0	C 8	59.06.0104	100n	PETP, 63V, 10%, RM5	
0	C 9	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 10	59.32.4102	1n	C 1000 P, 20%, 50V, CER	
0	C 11	not used	1n	C 1000 P, 20%, 50V, CER	
0	C 12	59.06.0103	10n	PETP, 63V, 10%, RM5	
0	C 13	59.06.0473	47n	PETP, 63V, 10%, RM5	
0	C 14	59.34.2390	39p	CER 63V, 5%, N150	
0	C 15	59.34.2390	39p	CER 63V, 5%, N150	
0	C 16	59.34.4101	100p	CER 63V, 5%, N750	
0	C 17	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 18	59.06.0104	100n	PETP, 63V, 10%, RM5	
0	C 19	59.06.0103	10n	PETP, 63V, 10%, RM5	
0	C 20	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 21	59.06.0103	10n	PETP, 63V, 10%, RM5	
0	C 22	59.34.2270	27p	CER 63V, 5%, N150	
0	C 23	59.34.2270	27p	CER 63V, 5%, N150	
0	C 24	59.22.6100	10u	EL 35V 20% RM5	
0	C 25	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 26	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 27	59.06.0104	100n	PETP, 63V, 10%, RM5	
0	C 28	59.32.4102	1n	C 1000 P, 20%, 50V, CER	
0	C 29	59.32.4102	1n	C 1000 P, 20%, 50V, CER	
0	C 30	59.06.0104	100n	PETP, 63V, 10%, RM5	
0	C 31	not used	1n	C 1000 P, 20%, 50V, CER	
0	C 32	not used	1u	TA, 20%, 35V	
0	C 33	not used	100n	PETP, 63V, 10%, RM5	
0	C 34	not used	100n	PETP, 63V, 10%, RM5	
0	C 35	not used	1u	TA, 20%, 35V	
0	C 36	not used	1n	C 1000 P, 20%, 50V, CER	
0	C 37	not used	47n	PETP, 63V, 10%, RM5	
0	C 38	not used	100n	PETP, 63V, 10%, RM5	
0	C 39	not used	1n	C 1000 P, 20%, 50V, CER	
0	C 40	not used	10n	PETP, 63V, 10%, RM5	
0	C 41	59.22.3470	47u	EL 10V 20% RM5	
0	C 42	not used	100n	PETP, 63V, 10%, RM5	
0	C 43	not used	1n	C 1000 P, 20%, 50V, CER	
0	C 44	59.22.4221	220u	EL 16V 20% RM5	
0	C 45	59.06.0103	10n	PETP, 63V, 10%, RM5	
0	C 46	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 47	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 48	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 49	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 50	not used	47n	PETP, 63V, 10%, RM5	
0	C 51	not used	47n	PETP, 63V, 10%, RM5	
0	C 52	not used	100n	PETP, 63V, 10%, RM5	
0	C 53	59.34.0339	3p3	CER 63V, 5%, P100	
0	C 54	not used	47n	PETP, 63V, 10%, RM5	
0	C 55	not used	1n	C 1000 P, 20%, 50V, CER	
0	C 56	not used	1n	C 1000 P, 20%, 50V, CER	
0	C 57	59.22.6100	10u	EL 35V 20% RM5	
0	C 58	59.22.4221	220u	EL 16V 20% RM5	
0	C 59	not used	1n	C 1000 P, 20%, 50V, CER	
0	C 60	not used	100n	PETP, 63V, 10%, RM5	
0	C 61	not used	1n	C 1000 P, 20%, 50V, CER	
0	C 62	not used	68n	PETP, 63V, 10%, RM5	
0	C 63	59.34.0339	3p3	CER 63V, 5%, P100	
0	C 64	59.06.0473	47n	PETP, 63V, 10%, RM5	
0	C 65	not used	47n	PETP, 63V, 10%, RM5	
0	C 66	59.06.0103	10n	PETP, 63V, 10%, RM5	
0	C 67	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 68	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 69	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 70	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 71	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 72	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 73	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 74	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 75	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 76	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 77	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 78	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 79	59.32.4102	1n	C 1000 P, 20%, 50V, CER	

Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	D 1	50.04.0127		BA785	200mA, Schottky
0	D 2	50.04.0127		BA785	200mA, Schottky
0	D 3	not used		1N4448	75V, 150mA, 4ns, DO-35
0	D 4	not used		1N4448	75V, 150mA, 4ns, DO-35
0	D 5	not used		1N4448	75V, 150mA, 4ns, DO-35
0	D 6	not used		1N4448	75V, 150mA, 4ns, DO-35
0	D 7	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35
0	DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN
0	DL 2	50.04.2202		HLMP1790	DL HLMP - 1790 GN
0	DL 3	50.04.2201		HLMP1719	DL HLMP - 1719 GB
0	DL 4	50.04.2202		HLMP1790	DL HLMP - 1790 GN
0	F 1	51.01.0119		1.6A	T 5*20 L 250V
0	IC 1	50.17.7273		ACT273	... 74 ACT 273 .
0	IC 2	50.13.0202		CS8412	IC CS 8412-CP A
0	IC 3	50.11.0159		MAX1232	IC MAX 1232 CPA, DS 1232
0	IC 4	50.14.2103		93C46	EEPROM 64 * 16, serial
0	IC 5	50.11.1002		LM360	High speed Comparator
0	IC 6	50.06.0245		74LS245	SN 74 LS 245 N
0	IC 7	89.10.0002		DLR6000	LWL-TAXI-Receiver
0	IC 8	1.940.940.20		IC 8	SW 500 MADI (50.14.2002)
0	IC 9	50.14.0133		5565	IC HM 6284LP-15 A
0	IC 10	50.63.4002		XC9300A-7	LCA 3000 / 3000 PLCC84
0	IC 11	50.63.1702		CY7C130	Dualport SRAM, 1K*8
0	IC 12	50.63.0009		80C652	MPU 8bit
0	IC 13	50.17.0574		74HCT574	IC ... 74 HCT574 . A
0	IC 14	50.06.1576		74ALS576	Octal D-Type FF, tri
0	IC 15	50.06.1576		74ALS576	Octal D-Type FF, tri
0	IC 16	not used		MAX9685	ECL Comparator, latching
0	IC 17	50.16.0201		SCC2691	IC SCC 2691 AE 1 N 24 A
0	IC 18	50.17.5652		74AC652	Octal Bus Reg/Transceiver
0	IC 19	50.14.1009		7C128A	SRAM 2K*8 35ns
0	IC 20	50.17.0573		74HCT573	IC ... 74 HCT573 . A
0	IC 21	50.17.1574		74HC574	IC ... 74 HC 574 . A
0	IC 22	50.17.1594		74HC594	IC ... 74 HC 594 . A
0	IC 23	1.940.941.21		74HC595	IC ... 74 HC 595 . A
0	IC 24	50.17.1595		75174	IC SN 75174 N
0	IC 25	50.15.0121		74HC589	MC 74 HC 589 N
0	IC 26	50.17.1589		74HC589	MC 74 HC 589 N
0	IC 27	50.17.1589		74HC589	MC 74 HC 589 N
0	IC 28	not used		MAX9685	ECL Comparator, latching
0	IC 29	50.17.1004		74HC04	IC ... 74 HC 04 . A
0	IC 30	50.10.0124		MAX660	V-Converter ... +5.5V to -5.5V
0	IC 31	50.15.0114		9637	Dual diff Line Receiver
0	J 3	54.01.0021		Jumper	0.63 * 0.63mm
0	J 4	54.01.0021		Jumper	0.63 * 0.63mm
0	L 1	62.02.3101		100uH	10%, radial RM 5
0	L 2	62.02.3100		10uH	10%, radial RM 5
0	L 3	62.02.3100		10uH	10%, radial RM 5
0	L 4	62.02.3220		22uH	10%, radial RM 5
0	L 5	62.03.0001		10uH	1A Toroid Choke
0	L 6	62.02.3100		10uH	10%, radial RM 5
0	L 7	not used		10uH	10%, radial RM 5
0	L 8	not used		10uH	10%, radial RM 5
0	L 9	not used		10uH	10%, radial RM 5
0	L 10	not used		10uH	10%, radial RM 5
0	L 11	not used		10uH	10%, radial RM 5
0	MP 1	1.940.500.11		MP 1	D19M MADI PCB
0	MP 2	1.010.057.43		MP 2	Baugruppenschild
0	MP 3	43.01.0108		MP 3	ESE-WARNSCHILD
0	MP 5	1.010.117.51		MP 5	TEXT-ETIK 5*20 (T1.60A)
0	MP 7	1.010.015.50		MP 7	Isolierscheibe
0	MP 8	89.01.1489	3 pcs	MP 8	QUARZ - ISOLIERPLATTE
0	MP 10	1.940.510.01	1 pce	MP 10	FRONTPLATTE
0	MP 11	1.940.600.04	1 pce	MP 11	GRIFFEINLAGE 4TE
0	MP 12	49.02.0520	2 pcs	MP 12	Rändelschraube (Rack)
0	MP 13	49.02.0521	2 pcs	MP 13	Metall-Buchse (Rack)
0	MP 14	49.02.0522	2 pcs	MP 14	Kartenhalter (Rack)
0	MP 15	49.02.0523	1 pce	MP 15	Senk-Schr, KS, Senkripp
0	MP 16	49.02.0504	1 pce	MP 16	4TE
0	MP 17	21.53.0279	2 pcs	MP 17	Z-Schraube Inbus Zn gb chr
0	MP 18	21.53.0284	1 pce	MP 18	Z-Schraube Inbus Zn gb chr
0	MP 19	28.99.0119	2 pcs	MP 19	ROHRNETE D 2.5*0.15" 9
0	MP 20	1.101.001.21	1 pce	MP 20	TEXT-ETIK 5*20 HARDWARE -21

Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	P 1	54.11.2009	96p		EU-R 3*32p
0	P 2	54.01.0020	1p		Pin 0.63*0.63
0	P 3	54.01.0020	1p		Pin 0.63*0.63
0	P 4	54.01.0020	1p		Pin 0.63*0.63
0	P 5	54.01.0020	1p		Pin 0.63*0.63
0	P 6	54.01.0020	1p		Pin 0.63*0.63
0	P 7	54.01.0020	1p		Pin 0.63*0.63
0	P 8	54.01.0020	1p		Pin 0.63*0.63
0	P 9	54.01.0020	1p		Pin 0.63*0.63
0	P 10	54.01.0020	1p		Pin 0.63*0.63
0	P 11	54.01.0020	1p		Pin 0.63*0.63
0	P 12	54.02.0320	1p		PCB-Flachst 2.8*0.8, gerade
0	P 13	54.02.0320	1p		PCB-Flachst 2.8*0.8, gerade
0	P 14	54.01.0020	1p		Pin 0.63*0.63
0	P 15	54.01.0020	1p		Pin 0.63*0.63
0	R 1	57.11.3102	1k0		MF, 1%, 0207
0	R 2	57.11.3102	1k0		MF, 1%, 0207
0	R 3	57.11.3103	10k		MF, 1%, 0207
0	R 4	57.11.3103	10k		MF, 1%, 0207
0	R 5	57.11.3271	270R		MF, 1%, 0207
0	R 6	57.11.3150	15R		MF, 1%, 0207
0	R 7	57.11.3103	10k		MF, 1%, 0207
0	R 8	57.11.3103	10k		MF, 1%, 0207
0	R 9	57.11.3102	1k0		MF, 1%, 0207
0	R 10	57.11.3102	1k0		MF, 1%, 0207
0	R 11	57.11.3102	1k0		MF, 1%, 0207
0	R 12	57.11.3102	1k0		MF, 1%, 0207
0	R 13	57.11.3471	470R		MF, 1%, 0207
0	R 14	57.11.3271	270R		MF, 1%, 0207
0	R 15	57.11.3150	15R		MF, 1%, 0207
0	R 16	not used	470R		MF, 1%, 0207
1	R 17	57.11.3332	3k3		MF, 1%, 0207
0	R 18	57.11.3102	1k0		MF, 1%, 0207
0	R 19	not used	75R		MF, 1%, 0204
0	R 20	not used	75R		MF, 1%, 0204
0	R 21	not used	330R		MF, 1%, 0204
0	R 22	not used	150R		MF, 1%, 0207
0	R 23	not used	75R		MF, 1%, 0204
0	R 24	not used	1k2		MF, 1%, 0204
0	R 25	not used	330R		MF, 1%, 0204
0	R 26	57.11.3102	1k0		MF, 1%, 0207
0	R 27	not used	330R		MF, 1%, 0204
0	R 28	not used	75R		MF, 1%, 0204
0	R 29	57.11.3103	10k		MF, 1%, 0207
0	R 30	not used	470R		MF, 1%, 0204
0	R 31	57.11.3102	1k0		MF, 1%, 0207
0	R 32	57.11.31.05	1M0		MF, 1%, 0207
0	R 33	57.11.3102	1k0		MF, 1%, 0207
0	R 34	57.11.3102	1k0		MF, 1%, 0207
0	R 35	not used	470R		MF, 1%, 0204
0	R 36	57.11.3102	1k0		MF, 1%, 0207
0	R 37	57.11.3102	1k0		MF, 1%, 0207
0	RZ1	57.88.4102	1k0		8*R Resistor-Netw 2% SiP9
0	RZ2	57.88.4102	1k0		8*R Resistor-Netw 2% SiP9
0	RZ3	57.88.4103	10k		8*R Resistor-Netw 2% SiP9
0	RZ4	57.88.4333	33k		8*R Resistor-Netw 2% SiP9
0	S 1	55.03.0122	1*1		S 1TASTE, 1*1A, PRINT,IMPULS
0	T 1	63.15.0021			RF - Trafo
0	T 2	not used			IMPULSTRANSFORMATOR
0	T 3	not used			IMPULSTRANSFORMATOR
0	XD1 1	50.20.2501			Spacer LED-Socket
0	XD2 1	50.20.2501			Spacer LED-Socket
0	XD3 1	50.20.2501			Spacer LED-Socket
0	XF 1	53.03.0118			XF 5 * 20, PRINT-LIEGEND
0	XIC 8	53.03.0173	28p		DIL 0.6", I01, gerade
0	XIC 10	53.03.2284	84p		PLCC-Socket
0	XIC 11	53.03.2252	52p		PLCC-Socket
0	XIC 12	53.03.2244	44p		PLCC-Socket
0	XIC 14	53.03.0165	20p		DIL 0.3", I01, gerade
0	XIC 15	53.03.0165	20p		DIL 0.3", I01, gerade
0	XIC 23	53.03.0166	8p		DIL 0.3", I01, gerade
0	XIC 25	53.03.0168	16p		DIL 0.3", I01, gerade
0	XIC 31	53.03.0166	8p		DIL 0.3", I01, gerade

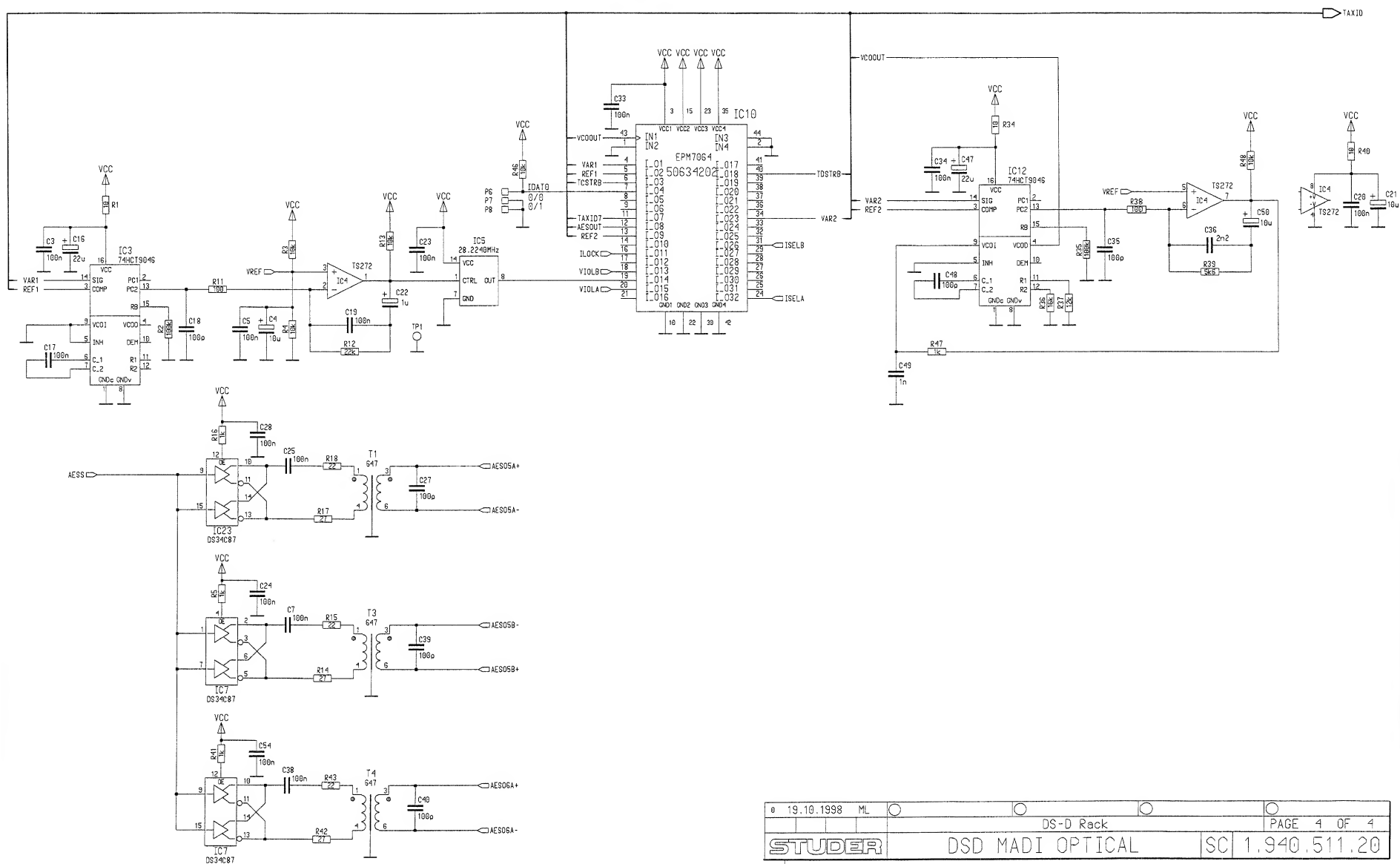


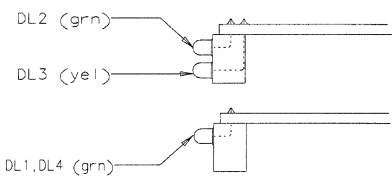
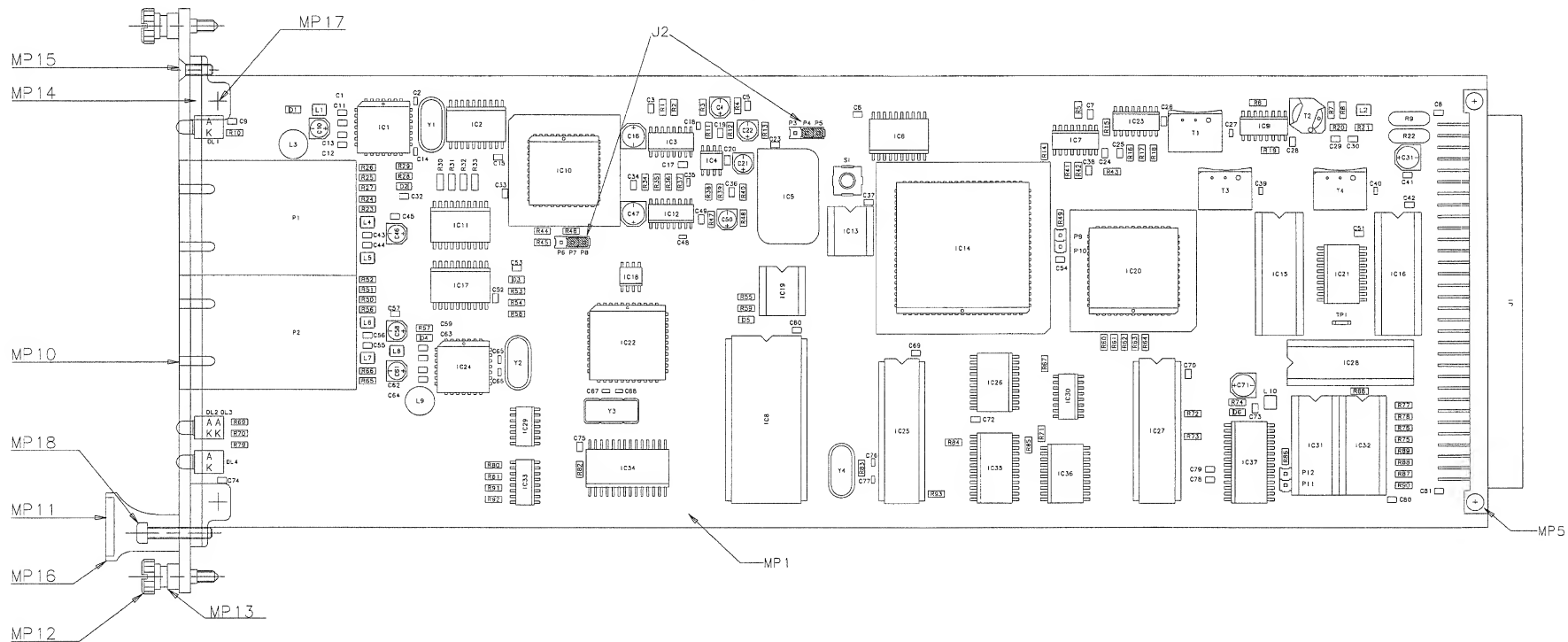






DSD Madi Optical 1.940.511.20





Modification	Author	Date	Version	Index
1	AF	19.10.1998	1	1
2	AF	19.10.1998	2	2
3	AF	19.10.1998	3	3
4	AF	19.10.1998	4	4
5	AF	19.10.1998	5	5
6	AF	19.10.1998	6	6
7	AF	19.10.1998	7	7
8	AF	19.10.1998	8	8
9	AF	19.10.1998	9	9
10	AF	19.10.1998	10	10

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN
0 C 2	59.60.2239	39p		CER 50V, 5%, COG, 0603	0 DL 2	50.04.2202		HLMP1790	DL HLMP - 1790 GN
0 C 3	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 DL 3	50.04.2201		HLMP1719	DL HLMP - 1719 GB
0 C 4	59.68.0065	10u		EL 16V, 4.0*5.7	0 DL 4	50.04.2202		HLMP1790	DL HLMP - 1790 GN
0 C 5	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 1	50.63.0205		AM7969	TAXI Chip Receiver
0 C 6	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 2	50.62.6244		74ACT244	Octal bus line driver
0 C 7	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 3	50.62.4946		74HCT9046	PLL with bandgap contr VCO
0 C 8	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 4	50.61.0205		TS272CD	Dual Op-Amp CMOS SO 8
0 C 9	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 5	89.01.1507		28.224MHz	VCXO Xtal-Oscillator voltage c
0 C 10	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 6	50.62.1273		74HC273	Octal D-FF with reset
0 C 11	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0 IC 7	50.62.0464		DS34C87	4*RS 422 Line Driver
0 C 12	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0 IC 8	1.940.940.20			SW 500 MADI (50.14.2002)
0 C 13	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 9	50.62.0463		DS34C86	4*RS 422 Line Receiver
0 C 14	59.60.2239	39p		CER 50V, 5%, COG, 0603	0 IC 10	1.680.904.21			SW 050 MADILOCK (50.63.4202)
0 C 15	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 11	50.62.6244		74ACT244	Octal bus line driver
0 C 16	59.68.0067	22u		EL 16V, 5.0*5.7	0 IC 12	50.62.4946		74HCT9046	PLL with bandgap contr VCO
0 C 17	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 13	50.11.0159		MAX1232	IC MAX 1232 CPA, DS 1232
0 C 18	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 14	50.63.4002		XC3030A-7	LCA 3000 / 3000 PLCC84
0 C 19	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 15	50.06.1576		74ALS576	Octal D-Type FF, tri
0 C 20	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 16	50.06.1576		74ALS576	Octal D-Type FF, tri
0 C 21	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 17	not used		74ACT244	Octal bus line driver
0 C 22	59.68.0127	1u0		EL 50V, 4.0*5.7	0 IC 18	50.63.1108		93C46	EEPROM 64*16, SO 8
0 C 23	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 19	1.940.941.21			SW 500 MADIIN (50.14.1501)
0 C 24	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 20	50.63.1702		CY7C130	Dualport SRAM, 1K*8
0 C 25	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 21	50.62.3574		74HCT574	Octal D-FF
0 C 26	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 22	50.63.0009		80C652	MPU 8bit
0 C 27	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 23	50.62.0464		DS34C87	4*RS 422 Line Driver
0 C 28	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 24	not used		AM7969	TAXI Chip Receiver
0 C 29	not used	2n2		CER 50V, 10%, X7R, 0805	0 IC 25	50.16.0201		SCC2691	IC SCC 2691 AE 1 N 24 A
0 C 30	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 26	50.62.3573		74HCT573	Octal D-type latch
0 C 31	59.68.0067	22u		EL 16V, 5.0*5.7	0 IC 27	50.14.1009		7C128A	SRAM 2K*8 35ns
0 C 32	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 IC 28	50.06.0245		74LS245	SN 74 LS 245 N
0 C 33	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 29	50.62.1014		74HC 14	Hex Schmitt trigger inverter
0 C 34	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 30	50.62.1595		74HC595	8bit shift/output register
0 C 35	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 31	50.17.1589		74HC589	MC 74 HC 589 N
0 C 36	59.60.3317	2n2		CER 50V, 10%, X7R, 0805	0 IC 32	50.17.1589		74HC589	MC 74 HC 589 N
0 C 37	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 33	50.62.1595		74HC595	8bit shift/output register
0 C 38	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 34	50.63.1502		6264	SRAM 8K*8, 120ns
0 C 39	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 35	50.62.2652		74ALS652	Octal bus transceiver & reg.
0 C 40	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 IC 36	50.62.1574		74HC574	Octal D-FF
0 C 41	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 37	50.62.0913		CS8412	AES-Receiver
0 C 42	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 J 1	54.11.2009		96p	EU-R 3*32p
0 C 43	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 J 2	54.01.0021 2 pcs		Jumper	0.63*0.63mm, Au
0 C 44	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 1	62.60.0113		10uH	SMD 10% 1210
0 C 45	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 2	not used		22uH	SMD 10% 1210
0 C 46	59.68.0065	10u		EL 16V, 4.0*5.7	0 L 3	62.02.3100		10uH	10%, radial RM 5
0 C 47	59.68.0067	22u		EL 16V, 5.0*5.7	0 L 4	62.60.0101		1u0	SMD 10% 1210
0 C 48	59.60.2249	100p		CER 50V, 5%, COG, 0603	0 L 5	62.60.0101		1u0	SMD 10% 1210
0 C 49	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0 L 6	62.60.0101		1u0	SMD 10% 1210
0 C 50	59.68.0065	10u		EL 16V, 4.0*5.7	0 L 7	62.60.0101		1u0	SMD 10% 1210
0 C 51	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 8	62.60.0113		10uH	SMD 10% 1210
0 C 52	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 9	not used		10uH	10%, radial RM 5
0 C 53	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 L 10	62.60.0125		100uH	SMD 10% 1210
0 C 54	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 1	1.940.511.11 1 pce			D19M MADI PCB
0 C 55	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 2	43.01.0108 1 pce		Label	ESE-WARNschild
0 C 56	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 3	1.940.512.04 1 pce			TYPENSCHILD
0 C 57	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 4	1.101.001.20 1 pce		Label	TEXT-ETIK. 5*20 HARDWARE -20
0 C 58	59.68.0065	10u		EL 16V, 4.0*5.7	0 MP 5	28.99.0119 2 pcs			ROHRNIETE D 2.5*0.15* 9
0 C 59	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 10	1.940.511.01			Frontplatte MADI
0 C 60	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 11	1.940.600.04 1 pce			GRIFFEINLAGE 4TE
0 C 61	59.68.0065	10u		EL 16V, 4.0*5.7	0 MP 12	49.02.0520 2 pcs		M2.5*12	Rändelschraube (Rack)
0 C 62	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)
0 C 63	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0 MP 14	49.02.0522 2 pcs			Kartenhalter mit Z-Schr
0 C 64	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0 MP 15	49.02.0523 1 pce		M2.5*7	Sank-Schr, KS, Senkripp
0 C 65	59.60.2239	39p		CER 50V, 5%, COG, 0603	0 MP 16	49.02.0504 1 pce		4TE	Frontplatten-Griff
0 C 66	59.60.2239	39p		CER 50V, 5%, COG, 0603	0 MP 17	not used		M2.5*6	Z-Schraube Inbus Zn gb chr
0 C 67	59.60.2235	27p		CER 50V, 5%, COG, 0603	0 MP 18	21.53.0284 1 pce		M2.5*16	Z-Schraube Inbus Zn gb chr
0 C 68	59.60.2235	27p		CER 50V, 5%, COG, 0603	0 P 1	89.10.0021		HFBR5103	LWL Transceiver FDDI/MADI
0 C 69	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 P 2	not used		HFBR5103	LWL Transceiver FDDI/MADI
0 C 70	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 P 3	54.01.0020		1p	Pin, 1reihiig, gerade
0 C 71	59.68.0067	22u		EL 16V, 5.0*5.7	0 P 4	54.01.0020		1p	Pin, 1reihiig, gerade
0 C 72	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 P 5	54.01.0020		1p	Pin, 1reihiig, gerade
0 C 73	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 P 6	54.01.0020		1p	Pin, 1reihiig, gerade
0 C 74	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 P 7	54.01.0020		1p	Pin, 1reihiig, gerade
0 C 75	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 P 8	54.01.0020		1p	Pin, 1reihiig, gerade
0 C 76	59.60.2225	10p		CER 50V, 5%, COG, 0603	0 P 9	54.01.0020		1p	Pin, 1reihiig, gerade
0 C 77	59.60.2225	10p		CER 50V, 5%, COG, 0603	0 P 10	54.01.0020		1p	Pin, 1reihiig, gerade
0 C 78	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 P 11	54.01.0020		1p	Pin, 1reihiig, gerade
0 C 79	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 P 12	54.01.0020		1p	Pin, 1reihiig, gerade
0 C 80	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 1	57.60.1100		10R	MF, 1%, 0204, E24
0 C 81	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 2	57.60.1104		100k	MF, 1%, 0204, E24
0 D 1	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 R 3	57.60.1103		10k	MF, 1%, 0204, E24
0 D 2	50.60.8001	4448		200mA 75V 4ns SOD 80	0 R 4	57.60.1103		10k	MF, 1%, 0204, E24
0 D 3	50.60.8001	4448		200mA 75V 4ns SOD 80	0 R 5	57.60.1102		1k0	MF, 1%, 0204, E24
0 D 4	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 R 6	57.60.1102		1k0	MF, 1%, 0204, E24
0 D 5	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 R 7	57.60.1221		220R	MF, 1%, 0204, E24
0 D 6	50.60.8001	4448		200mA 75V 4ns SOD 80	0 R 8	57.60.1221		220R	MF, 1%, 0204, E24

MADI Optical 1.940.511.21 (0)

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Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 9	57.92.7051		1.1A	PTC 30V
0	R 10	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 11	57.60.1101		100R	MF, 1%, 0204, E24
0	R 12	57.60.1223		22k	MF, 1%, 0204, E24
0	R 13	57.60.1103		10k	MF, 1%, 0204, E24
0	R 14	57.60.1270		27R	MF, 1%, 0204, E24
0	R 15	57.60.1220		22R	MF, 1%, 0204, E24
0	R 16	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 17	57.60.1270		27R	MF, 1%, 0204, E24
0	R 18	57.60.1220		22R	MF, 1%, 0204, E24
0	R 19	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 20	57.60.1000		0R0	MF, 0204
0	R 21	not used		470R	MF, 1%, 0204, E24
0	R 22	57.92.7051		1.1A	PTC 30V
0	R 23	57.60.1820		82R	MF, 1%, 0204, E24
0	R 24	57.60.1820		82R	MF, 1%, 0204, E24
0	R 25	57.60.1222		2k2	MF, 1%, 0204, E24
0	R 26	57.60.1222		2k2	MF, 1%, 0204, E24
0	R 27	57.60.1222		2k2	MF, 1%, 0204, E24
0	R 28	57.60.1103		10k	MF, 1%, 0204, E24
0	R 29	57.60.1222		2k2	MF, 1%, 0204, E24
0	R 30	57.60.1470		47R	MF, 1%, 0204, E24
0	R 31	57.60.1470		47R	MF, 1%, 0204, E24
0	R 32	57.60.1470		47R	MF, 1%, 0204, E24
0	R 33	57.60.1470		47R	MF, 1%, 0204, E24
0	R 34	57.60.1100		10R	MF, 1%, 0204, E24
0	R 35	57.60.1104		100k	MF, 1%, 0204, E24
0	R 36	57.60.1163		16k	MF, 1%, 0204, E24
0	R 37	57.60.1123		12k	MF, 1%, 0204, E24
0	R 38	57.60.1101		100R	MF, 1%, 0204, E24
0	R 39	57.60.1562		5k6	MF, 1%, 0204, E24
0	R 40	57.60.1100		10R	MF, 1%, 0204, E24
0	R 41	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 42	57.60.1270		27R	MF, 1%, 0204, E24
0	R 43	57.60.1220		22R	MF, 1%, 0204, E24
0	R 44	57.60.1222		2k2	MF, 1%, 0204, E24
0	R 45	57.60.1222		2k2	MF, 1%, 0204, E24
0	R 46	57.60.1103		10k	MF, 1%, 0204, E24
0	R 47	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 48	57.60.1103		10k	MF, 1%, 0204, E24
0	R 49	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 50	57.60.1820		82R	MF, 1%, 0204, E24
0	R 51	57.60.1131		130R	MF, 1%, 0204, E24
0	R 52	57.60.1131		130R	MF, 1%, 0204, E24
0	R 53	57.60.1103		10k	MF, 1%, 0204, E24
0	R 54	57.60.1222		2k2	MF, 1%, 0204, E24
0	R 55	57.60.1332		3k3	MF, 1%, 0204, E24
0	R 56	57.60.1820		82R	MF, 1%, 0204, E24
0	R 57	57.60.1332		3k3	MF, 1%, 0204, E24
0	R 58	57.60.1222		2k2	MF, 1%, 0204, E24
0	R 59	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 60	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 61	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 62	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 63	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 64	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 65	57.60.1131		130R	MF, 1%, 0204, E24
0	R 66	57.60.1131		130R	MF, 1%, 0204, E24
0	R 67	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 68	57.60.1332		3k3	MF, 1%, 0204, E24
0	R 69	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 70	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 71	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 72	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 73	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 74	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 75	57.60.1333		33k	MF, 1%, 0204, E24
0	R 76	57.60.1333		33k	MF, 1%, 0204, E24
0	R 77	57.60.1333		33k	MF, 1%, 0204, E24
0	R 78	57.60.1333		33k	MF, 1%, 0204, E24
0	R 79	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 80	57.60.1332		3k3	MF, 1%, 0204, E24
0	R 81	57.60.1332		3k3	MF, 1%, 0204, E24
0	R 82	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 83	57.60.1105		1M	MF, 1%, 0204, E24
0	R 84	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 85	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 86	57.60.1103		10k	MF, 1%, 0204, E24
0	R 87	57.60.1333		33k	MF, 1%, 0204, E24
0	R 88	57.60.1333		33k	MF, 1%, 0204, E24
0	R 89	57.60.1333		33k	MF, 1%, 0204, E24
0	R 90	57.60.1333		33k	MF, 1%, 0204, E24
0	R 91	57.60.1332		3k3	MF, 1%, 0204, E24
0	R 92	57.60.1332		3k3	MF, 1%, 0204, E24
0	R 93	57.60.1332		3k3	MF, 1%, 0204, E24
0	S 1	55.60.0201		1*s	SMD Tactswitch
0	T 1	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	T 2	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 3	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 4	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	TP 1	54.02.0320		1p	PCB-Flachst 2.8*0.8, gerade
0	XDL 1	50.20.2501		Spacer	LED-Sockel
0	XDL 2	50.20.2501		Spacer	LED-Sockel
0	XDL 4	50.20.2501		Spacer	LED-Sockel
0	XIC 8	53.03.0173		28p	DIL 0.6", lötl, gerade
0	XIC 10	53.03.2244		44p	PLCC-Socket
0	XIC 14	53.03.2284		84p	PLCC-Socket
0	XIC 19	53.03.0166		8p	DIL 0.3", lötl, gerade
0	XIC 20	53.03.2252		52p	PLCC-Socket
0	XY 1	89.01.1499 1 pce			QUARZ - ISOLIERPLATTE
0	XY 2	not used 1 pce			QUARZ - ISOLIERPLATTE
0	XY 4	89.01.1499 1 pce			QUARZ - ISOLIERPLATTE
0	Y 1	89.01.1013		12.500MHz	XTAL HC 49/U
0	Y 2	89.01.1013		12.500MHz	XTAL HC 49/U
0	Y 3	89.60.1003		12.000MHz	SMD Quartz
0	Y 4	89.01.1002		3.6864MHz	XTAL HC 18 U

End of List

MADI Optical, Redundant Input 1.940.512.21 (0)

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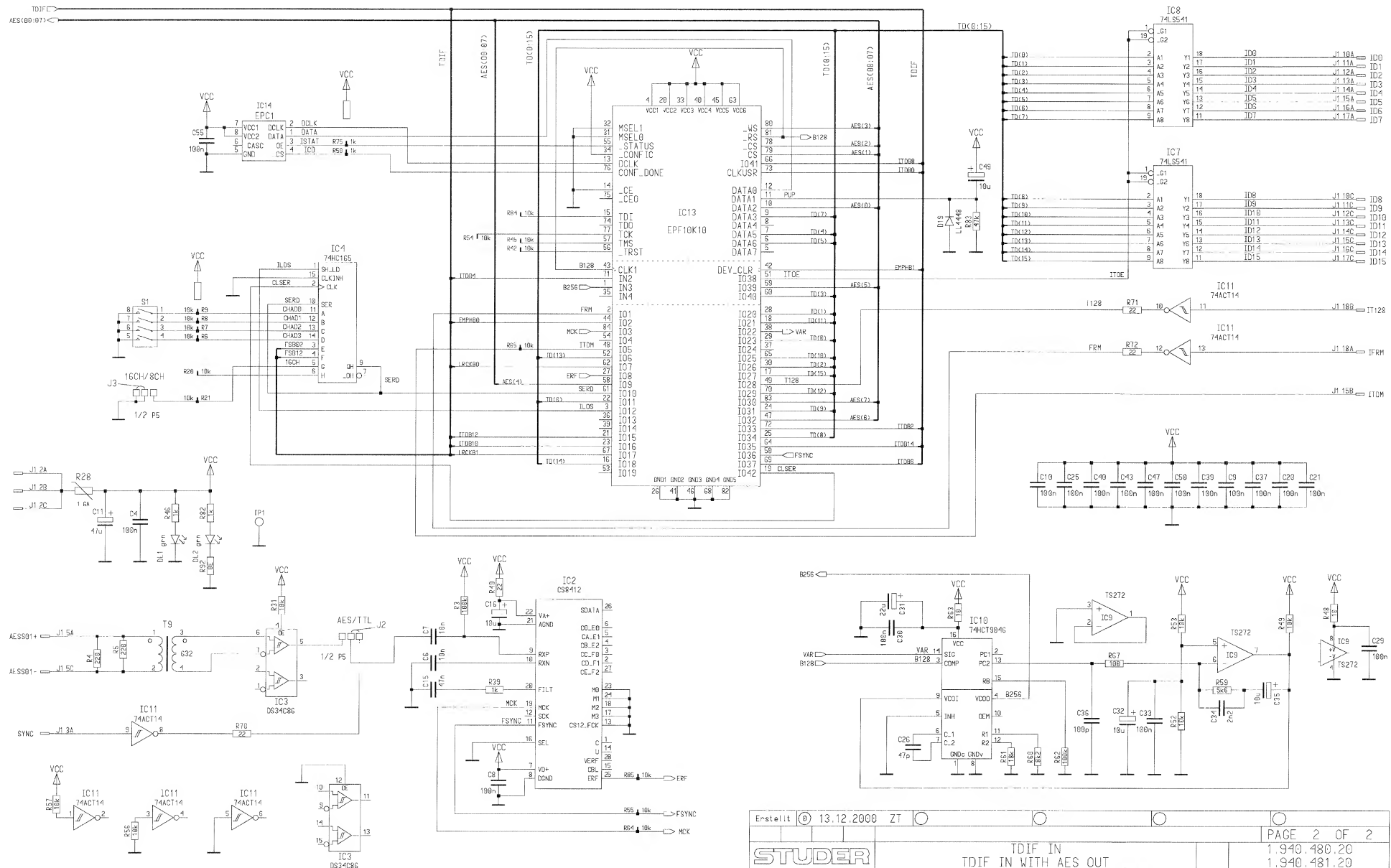
Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN
0	C 2	59.60.2239	39p		CER 50V, 5%, COG, 0803	0	DL 2	50.04.2202		HLMP1790	DL HLMP - 1790 GN
0	C 3	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	DL 3	50.04.2201		HLMP1719	DL HLMP - 1719 GB
0	C 4	59.68.0065	10u		EL 16V, 4.0*5.7	0	DL 4	50.04.2202		HLMP1790	DL HLMP - 1790 GN
0	C 5	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 1	50.63.0205		AM7969	TAXI Chip Receiver
0	C 6	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 2	50.62.6244		74ACT244	Octal bus line driver
0	C 7	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 3	50.62.4946		74HCT9046	PLL with bandgap contr VCO
0	C 8	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 4	50.61.0205		TS272CD	Dual Op-Amp CMOS SO 8
0	C 9	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 5	89.01.1507		28.224MHz	VCXO Xtal-Oscillator voltage c
0	C 10	59.68.0065	10u		EL 16V, 4.0*5.7	0	IC 6	50.62.1273		74HC273	Octal D-FF with reset
0	C 11	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0	IC 7	50.62.0464		DS34C87	4*RS 422 Line Driver
0	C 12	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0	IC 8	1.940.940.20			SW 500 MADI (50.14.2002)
0	C 13	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 9	50.62.0463		DS34C86	4*RS 422 Line Receiver
0	C 14	59.60.2239	39p		CER 50V, 5%, COG, 0803	0	IC 10	1.680.904.21			SW 050 MADILOCK (50.63.4202)
0	C 15	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 11	50.62.6244		74ACT244	Octal bus line driver
0	C 16	59.68.0067	22u		EL 16V, 5.0*5.7	0	IC 12	50.62.4946		74HCT9046	PLL with bandgap contr VCO
0	C 17	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 13	50.11.0159		MAX1232	IC MAX 1232 CPA, DS 1232
0	C 18	59.60.2249	100p		CER 50V, 5%, COG, 0803	0	IC 14	50.63.4002		XC3030A-7	LCA 3000 / 3000 PLCC84
0	C 19	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 15	50.06.1576		74ALS576	Octal D-Type FF, tri
0	C 20	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 16	50.06.1576		74ALS576	Octal D-Type FF, tri
0	C 21	59.68.0065	10u		EL 16V, 4.0*5.7	0	IC 17	50.62.6244		74ACT244	Octal bus line driver
0	C 22	59.68.0127	1u0		EL 50V, 4.0*5.7	0	IC 18	50.63.1108		93C46	EEPROM 64*16, SO 8
0	C 23	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 19	1.940.941.21			SW 500 MADIin (50.14.1501)
0	C 24	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 20	50.63.1702		CY7C130	Dualport SRAM, 1K*8
0	C 25	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 21	50.62.3574		74HCT574	Octal D-FF
0	C 26	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 22	50.63.0009		80C652	MPU 8bit
0	C 27	59.60.2249	100p		CER 50V, 5%, COG, 0803	0	IC 23	50.62.0464		DS34C87	4*RS 422 Line Driver
0	C 28	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 24	50.63.0205		AM7969	TAXI Chip Receiver
0	C 29	not used	2n2		CER 50V, 10%, X7R, 0805	0	IC 25	50.16.0201		SCC2691	IC SCC 2691 AE 1 N 24
0	C 30	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 26	50.62.3573		74HCT573	Octal D-type latch
0	C 31	59.68.0067	22u		EL 16V, 5.0*5.7	0	IC 27	50.14.1009		7C128A	SRAM 2K*8 35ns
0	C 32	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	IC 28	50.06.0245		74LS245	SN 74 LS 245 N
0	C 33	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 29	50.62.1014		74HC 14	Hex Schmitt trigger inverter
0	C 34	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 30	50.62.1595		74HC595	8bit shift/output register
0	C 35	59.60.2249	100p		CER 50V, 5%, COG, 0803	0	IC 31	50.17.1589		74HC589	MC 74 HC 589 N
0	C 36	59.60.3317	2n2		CER 50V, 10%, X7R, 0805	0	IC 32	50.17.1589		74HC589	MC 74 HC 589 N
0	C 37	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 33	50.62.1595		74HC595	8bit shift/output register
0	C 38	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 34	50.63.1502		6264	SRAM 8K*8, 120ns
0	C 39	59.60.2249	100p		CER 50V, 5%, COG, 0803	0	IC 35	50.62.2652		74ALS652	Octal bus transceiver & reg.
0	C 40	59.60.2249	100p		CER 50V, 5%, COG, 0803	0	IC 36	50.62.1574		74HC574	Octal D-FF
0	C 41	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 37	50.62.0913		CS8412	AES-Receiver
0	C 42	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	J 1	54.11.2009		96p	EU-R 3*32p
0	C 43	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	J 2	54.01.0021 2 pcs		Jumper	0.63*0.63mm, Au
0	C 44	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	L 1	62.60.0113		10uH	SMD 10% 1210
0	C 45	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	L 2	not used		22uH	SMD 10% 1210
0	C 46	59.68.0065	10u		EL 16V, 4.0*5.7	0	L 3	62.02.3100		10uH	10%, radial RM 5
0	C 47	59.68.0067	22u		EL 16V, 5.0*5.7	0	L 4	62.60.0101		1u0	SMD 10% 1210
0	C 48	59.60.2249	100p		CER 50V, 5%, COG, 0803	0	L 5	62.60.0101		1u0	SMD 10% 1210
0	C 49	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0	L 6	62.60.0101		1u0	SMD 10% 1210
0	C 50	59.68.0065	10u		EL 16V, 4.0*5.7	0	L 7	62.60.0101		1u0	SMD 10% 1210
0	C 51	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	L 8	62.60.0113		10uH	SMD 10% 1210
0	C 52	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	L 9	62.02.3100		10uH	10%, radial RM 5
0	C 53	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	L 10	62.60.0125		100uH	SMD 10% 1210
0	C 54	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 1	1.940.511.11 1 pce			D19M MADI PCB
0	C 55	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 2	43.01.0108 1 pce		Label	ESE-WARNCHILD
0	C 56	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 3	1.940.512.04 1 pce			TYPENSCHILD
0	C 57	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 4	1.101.001.20 1 pce		Label	TEXT-ETIK. 5*20 HARDWARE -20
0	C 58	59.68.0065	10u		EL 16V, 4.0*5.7	0	MP 5	28.99.0119 2 pcs			ROHRNIETE D 2.5*0.15* 9
0	C 59	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 10	1.940.512.01 1 pce			Frontplatte MADI redundant in
0	C 60	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 11	1.940.600.04 1 pce			GRIFFEINLAGE 4TE
0	C 61	59.68.0065	10u		EL 16V, 4.0*5.7	0	MP 12	49.02.0520 2 pcs		M2.5*12	Rändelschraube (Rack)
0	C 62	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)
0	C 63	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0	MP 14	49.02.0522 2 pcs			Kartenhalter mit Z-Schr
0	C 64	59.60.2373	1n0		CER 50V, 5%, COG, 0805	0	MP 15	49.02.0523 1 pce		M2.5*7	Senk-Schr, KS, Senkripp
0	C 65	59.60.2239	39p		CER 50V, 5%, COG, 0803	0	MP 16	49.02.0504 1 pce		4TE	Frontplatten-Griff
0	C 66	59.60.2239	39p		CER 50V, 5%, COG, 0803	0	MP 17	21.53.0279 2 pcs		M2.5*6	Z-Schraube Inbus Zn gb chr
0	C 67	59.60.2235	27p		CER 50V, 5%, COG, 0803	0	MP 18	21.53.0284 1 pce		M2.5*16	Z-Schraube Inbus Zn gb chr
0	C 68	59.60.2235	27p		CER 50V, 5%, COG, 0803	0	P 1	89.10.0021		HFBRS103	LWL Transceiver FDDI/MADI
0	C 69	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	P 2	89.10.0021		HFBRS103	LWL Transceiver FDDI/MADI
0	C 70	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	P 3	54.01.0020		1p	Pin, 1reiHg, gerade
0	C 71	59.68.0067	22u		EL 16V, 5.0*5.7	0	P 4	54.01.0020		1p	Pin, 1reiHg, gerade
0	C 72	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	P 5	54.01.0020		1p	Pin, 1reiHg, gerade
0	C 73	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0	P 6	54.01.0020		1p	Pin, 1reiHg, gerade
0	C 74	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	P 7	54.01.0020		1p	Pin, 1reiHg, gerade
0	C 75	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	P 8	54.01.0020		1p	Pin, 1reiHg, gerade
0	C 76	59.60.2225	10p		CER 50V, 5%, COG, 0803	0	P 9	54.01.0020		1p	Pin, 1reiHg, gerade
0	C 77	59.60.2225	10p		CER 50V, 5%, COG, 0803	0	P 10	54.01.0020		1p	Pin, 1reiHg, gerade
0	C 78	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	P 11	54.01.0020		1p	Pin, 1reiHg, gerade
0	C 79	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	P 12	54.01.0020		1p	Pin, 1reiHg, gerade
0	C 80	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	R 1	57.60.1100		10R	MF, 1%, 0204, E24
0	C 81	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	R 2	57.60.1104		100k	MF, 1%, 0204, E24
0	D 1	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0	R 3	57.60.1103		10k	MF, 1%, 0204, E24
0	D 2	50.60.8001	4448		200mA 75V 4ns SOD 80	0	R 4	57.60.1103		10k	MF, 1%, 0204, E24
0	D 3	50.60.8001	4448		200mA 75V 4ns SOD 80	0	R 5	57.60.1102		1k0	MF, 1%, 0204, E24
0	D 4	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0	R 6	57.60.1102		1k0	MF, 1%, 0204, E24
0	D 5	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0	R 7	57.60.1221		220R	MF, 1%, 0204, E24
0	D 6	50.60.8001	4448		200mA 75V 4ns SOD 80	0	R 8	57.60.1221		220R	MF, 1%, 0204, E24

MADI Optical, Redundant Input 1.940.512.21 (0)

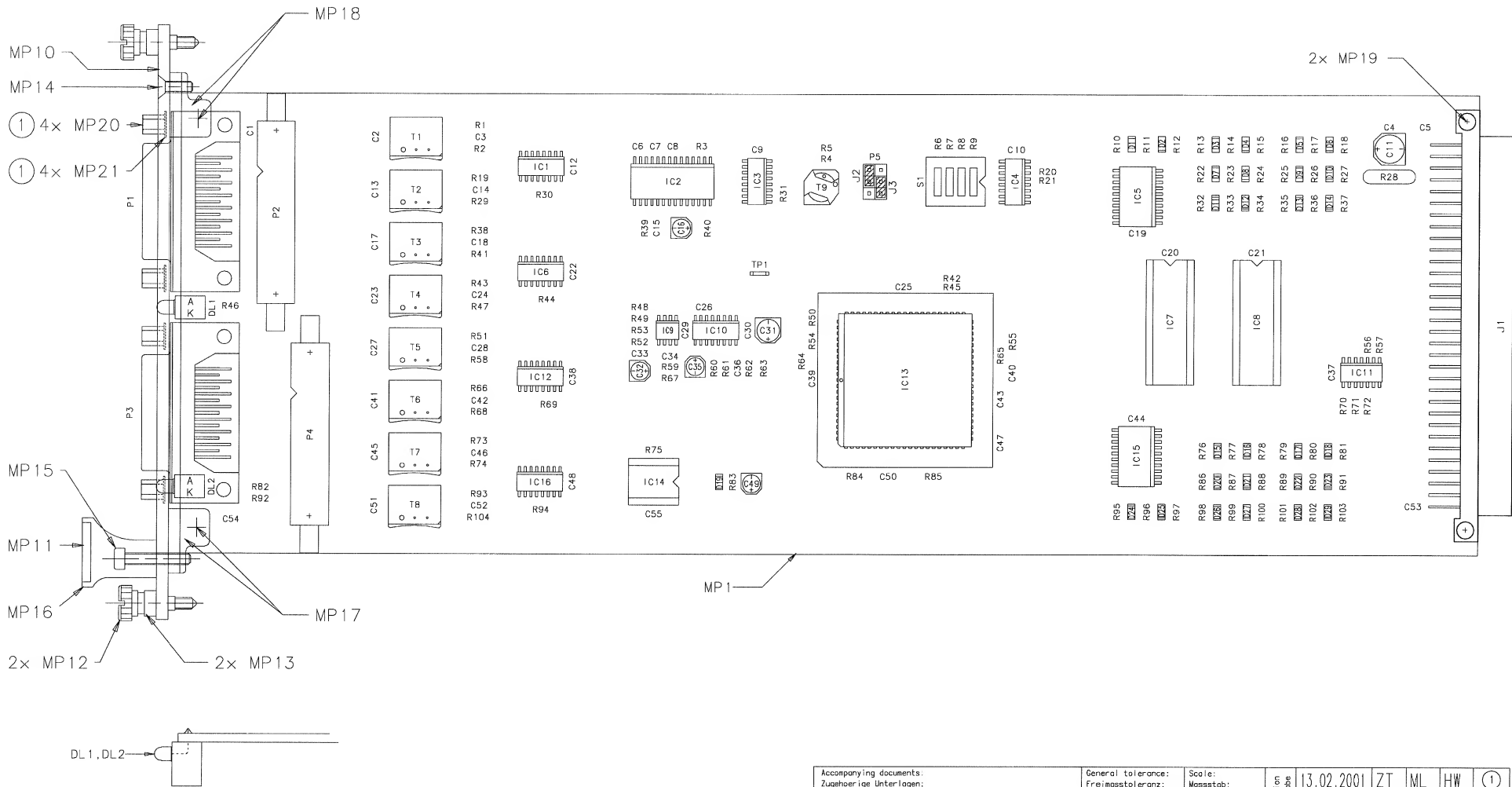
Page: 2 of 2

Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 9	57.92.7051		1.1A	PTC 30V	0 T 2	1.022.632.00		1:1	DI/DO TRANSFORMER
0 R 10	57.60.1102		1k0	MF, 1%, 0204, E24	0 T 3	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0 R 11	57.60.1101		100R	MF, 1%, 0204, E24	0 T 4	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0 R 12	57.60.1223		22k	MF, 1%, 0204, E24	0 TP 1	54.02.0320		1p	PCB-Flachst 2.8*0.8, gerade
0 R 13	57.60.1103		10k	MF, 1%, 0204, E24	0 XDL 1	50.20.2501		Spacer	LED-Sockel
0 R 14	57.60.1270		27R	MF, 1%, 0204, E24	0 XDL 2	50.20.2501		Spacer	LED-Sockel
0 R 15	57.60.1220		22R	MF, 1%, 0204, E24	0 XDL 4	50.20.2501		Spacer	LED-Sockel
0 R 16	57.60.1102		1k0	MF, 1%, 0204, E24	0 XIC 8	53.03.0173		28p	DIL 0.6", löt, gerade
0 R 17	57.60.1270		27R	MF, 1%, 0204, E24	0 XIC 10	53.03.2244		44p	PLCC-Socket
0 R 18	57.60.1220		22R	MF, 1%, 0204, E24	0 XIC 14	53.03.2284		84p	PLCC-Socket
0 R 19	57.60.1102		1k0	MF, 1%, 0204, E24	0 XIC 19	53.03.0166		8p	DIL 0.3", löt, gerade
0 R 20	57.60.1000		0R0	MF, 0204	0 XIC 20	53.03.2252		52p	PLCC-Socket
0 R 21	not used		470R	MF, 1%, 0204, E24	0 XY 1	89.01.1499 1 pce			QUARZ - ISOLIERPLATTE
0 R 22	57.92.7051		1.1A	PTC 30V	0 XY 2	89.01.1499 1 pce			QUARZ - ISOLIERPLATTE
0 R 23	57.60.1820		82R	MF, 1%, 0204, E24	0 XY 4	89.01.1499 1 pce			QUARZ - ISOLIERPLATTE
0 R 24	57.60.1820		82R	MF, 1%, 0204, E24	0 Y 1	89.01.1013		12.500MHz	XTAL HC 49/U
0 R 25	57.60.1222		2k2	MF, 1%, 0204, E24	0 Y 2	89.01.1013		12.500MHz	XTAL HC 49/U
0 R 26	57.60.1222		2k2	MF, 1%, 0204, E24	0 Y 3	89.60.1003		12.000MHz	SMD Quartz
0 R 27	57.60.1222		2k2	MF, 1%, 0204, E24	0 Y 4	89.01.1002		3.6864MHz	XTAL HC 18 U
0 R 28	57.60.1103		10k	MF, 1%, 0204, E24					
0 R 29	57.60.1222		2k2	MF, 1%, 0204, E24					
0 R 30	57.60.1470		47R	MF, 1%, 0204, E24					
0 R 31	57.60.1470		47R	MF, 1%, 0204, E24					
0 R 32	57.60.1470		47R	MF, 1%, 0204, E24					
0 R 33	57.60.1470		47R	MF, 1%, 0204, E24					
0 R 34	57.60.1100		10R	MF, 1%, 0204, E24					
0 R 35	57.60.1104		100k	MF, 1%, 0204, E24					
0 R 36	57.60.1163		16k	MF, 1%, 0204, E24					
0 R 37	57.60.1123		12k	MF, 1%, 0204, E24					
0 R 38	57.60.1101		100R	MF, 1%, 0204, E24					
0 R 39	57.60.1562		5k6	MF, 1%, 0204, E24					
0 R 40	57.60.1100		10R	MF, 1%, 0204, E24					
0 R 41	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 42	57.60.1270		27R	MF, 1%, 0204, E24					
0 R 43	57.60.1220		22R	MF, 1%, 0204, E24					
0 R 44	57.60.1222		2k2	MF, 1%, 0204, E24					
0 R 45	57.60.1222		2k2	MF, 1%, 0204, E24					
0 R 46	57.60.1103		10k	MF, 1%, 0204, E24					
0 R 47	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 48	57.60.1103		10k	MF, 1%, 0204, E24					
0 R 49	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 50	57.60.1820		82R	MF, 1%, 0204, E24					
0 R 51	57.60.1131		130R	MF, 1%, 0204, E24					
0 R 52	57.60.1131		130R	MF, 1%, 0204, E24					
0 R 53	57.60.1103		10k	MF, 1%, 0204, E24					
0 R 54	57.60.1222		2k2	MF, 1%, 0204, E24					
0 R 55	57.60.1332		3k3	MF, 1%, 0204, E24					
0 R 56	57.60.1820		82R	MF, 1%, 0204, E24					
0 R 57	57.60.1332		3k3	MF, 1%, 0204, E24					
0 R 58	57.60.1222		2k2	MF, 1%, 0204, E24					
0 R 59	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 60	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 61	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 62	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 63	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 64	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 65	57.60.1131		130R	MF, 1%, 0204, E24					
0 R 66	57.60.1131		130R	MF, 1%, 0204, E24					
0 R 67	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 68	57.60.1332		3k3	MF, 1%, 0204, E24					
0 R 69	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 70	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 71	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 72	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 73	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 74	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 75	57.60.1333		33k	MF, 1%, 0204, E24					
0 R 76	57.60.1333		33k	MF, 1%, 0204, E24					
0 R 77	57.60.1333		33k	MF, 1%, 0204, E24					
0 R 78	57.60.1333		33k	MF, 1%, 0204, E24					
0 R 79	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 80	57.60.1332		3k3	MF, 1%, 0204, E24					
0 R 81	57.60.1332		3k3	MF, 1%, 0204, E24					
0 R 82	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 83	57.60.1105		1M	MF, 1%, 0204, E24					
0 R 84	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 85	57.60.1102		1k0	MF, 1%, 0204, E24					
0 R 86	57.60.1103		10k	MF, 1%, 0204, E24					
0 R 87	57.60.1333		33k	MF, 1%, 0204, E24					
0 R 88	57.60.1333		33k	MF, 1%, 0204, E24					
0 R 89	57.60.1333		33k	MF, 1%, 0204, E24					
0 R 90	57.60.1333		33k	MF, 1%, 0204, E24					
0 R 91	57.60.1332		3k3	MF, 1%, 0204, E24					
0 R 92	57.60.1332		3k3	MF, 1%, 0204, E24					
0 R 93	57.60.1332		3k3	MF, 1%, 0204, E24					
0 S 1	55.60.0201		1*s	SMD Tactswitch					
0 T 1	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU					

End of List

TDIFI, TDIF Interface 1.940.480.20 (0); TDIF Interface w. AES Out 1.940.481.20 (0)


TDIFI, TDIF Interface 1.940.480.20 (0); TDIF Interface w. AES Out 1.940.481.20 (0)



Accompanying documents: Zugehörige Unterlagen: PL		General tolerance: Freimasstoleranz:	Scale: Massstab:	Edition Ausgabe Date Datum	13.02.2001	ZT	ML	HW	①	
Substitute for: Ersatz fuer:		1.940.480.20 / 481.20			Index 0	Page: Seite:	1 / 1			
STUDER REGENSDORF		Description: Benennung: TDIF IN BOARD, ESE TDIF IN WITH AES OUT BOARD, ESE			Number: Nummer:	1.940.480.20 1.940.481.20				

TDIFI, TDIF In 1.940.480.20 (0)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 2	not used 1 pce	CS8412		AES-Receiver
0 C 2	not used 1 pce	100p		CER 50V, 5%, C0G, 0603	0 IC 3	not used 1 pce	DS34C86		4*RS 422 Line Receiver
0 C 3	not used 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 4	50.62.1165 1 pce	74HC165		8bit shift register
0 C 4	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 5	50.62.1541 1 pce	74HC541		Octal buffer line driver/recei
0 C 5	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 6	not used 1 pce	DS34C87		4*RS 422 Line Driver
0 C 6	not used 1 pce	10n		CER 50V, 10%, X7R, 0805	0 IC 7	50.06.0541 1 pce	74LS541		SN 74 LS 541 N
0 C 7	not used 1 pce	10n		CER 50V, 10%, X7R, 0805	0 IC 8	50.06.0541 1 pce	74LS541		SN 74 LS 541 N
0 C 8	not used 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 9	50.61.0205 1 pce	TS272CD		Dual Op-Amp CMOS SO 8
0 C 9	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 10	50.62.4946 1 pce	74HCT9046		PLL with bandgap contr VCO
0 C 10	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 11	50.62.6014 1 pce	74ACT 14		Hex inverting Schmitt trigger
0 C 11	59.68.0069 1 pce	47u		EL 16V, 6.3*5.7	0 IC 12	not used 1 pce	DS34C87		4*RS 422 Line Driver
0 C 12	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 13	50.63.4210 1 pce	EPF10K10		PLD 10 000 gates
0 C 13	not used 1 pce	100p		CER 50V, 5%, C0G, 0603	0 IC 14	1.940.985.20 1 pce			SV480 TDIFIN (50.63.4298)
0 C 14	not used 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 15	50.62.1541 1 pce	74HC541		Octal buffer line driver/recei
0 C 15	not used 1 pce	47n		CER 50V, 10%, X7R, 0805	0 IC 16	not used 1 pce	DS34C87		4*RS 422 Line Driver
0 C 16	not used 1 pce	10u		EL 16V, 4.0*5.7	0 J 1	54.11.2009 1 pce	96p		EU-R 3*32p
0 C 17	not used 1 pce	100p		CER 50V, 5%, C0G, 0603	0 J 2	not used 1 pce	Jumper		0.63*0.63mm, Au
0 C 18	not used 1 pce	100n		CER 50V, 10%, X7R, 0805	0 J 3	not used 1 pce	Jumper		0.63*0.63mm, Au
0 C 19	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 1	1.940.480.11 1 pce			D19M TDIF IN PCB
0 C 20	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 2	1.940.481.04 1 pce			TYPENSCHILD
0 C 21	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 3	43.01.0108 1 pce	Label		ESE-WARNSCHILD
0 C 22	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 10	1.940.480.01 1 pce			FRONTPLATTE TDIF IN
0 C 23	not used 1 pce	100p		CER 50V, 5%, C0G, 0603	0 MP 11	1.940.600.04 1 pce			GRIFFEINLAGE 4TE
0 C 24	not used 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 12	49.02.0520 2 pcs	M2.5*12		Rändelschraube (Rack)
0 C 25	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)
0 C 26	59.60.2241 1 pce	47p		CER 50V, 5%, C0G, 0603	0 MP 14	49.02.0523 1 pce	M2.5*7		Senk-Schr, KS, Senkripp
0 C 27	not used 1 pce	100p		CER 50V, 5%, C0G, 0603	0 MP 15	21.53.0284 1 pce	M2.5*16		Z-Schraube Inbus Zn gb chr
0 C 28	not used 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 16	49.02.0504 1 pce	4TE		Frontplatten-Griff
0 C 29	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 17	49.02.0522 1 pce			Kartenhalter mit Z-Schr
0 C 30	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 18	49.02.0522 1 pce			Kartenhalter mit Z-Schr
0 C 31	59.68.0067 1 pce	22u		EL 16V, 5.0*5.7	0 MP 19	28.99.0119 2 pcs			ROHRNIETE D 2.5*0.15* 9
0 C 32	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 P 1	not used 1 pce	15p		D-Sub, PCB, Winkel
0 C 33	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 P 2	not used 1 pce	16p		Stecker gerade Au
0 C 34	59.60.3317 1 pce	2n2		CER 50V, 10%, X7R, 0805	0 P 3	not used 1 pce	15p		D-Sub, PCB, Winkel
0 C 35	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 P 4	not used 1 pce	16p		Stecker gerade Au
0 C 36	59.60.2249 1 pce	100p		CER 50V, 5%, C0G, 0603	0 P 5	not used 1 pce	2*3p		Pin 0.63*0.63, RM2.54
0 C 37	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 1	not used 1 pce	27R		MF, 1%, 0204, E24
0 C 38	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 2	not used 1 pce	22R		MF, 1%, 0204, E24
0 C 39	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 3	not used 1 pce	100k		MF, 1%, 0204, E24
0 C 40	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 4	not used 1 pce	220R		MF, 1%, 0204, E24
0 C 41	not used 1 pce	100p		CER 50V, 5%, C0G, 0603	0 R 5	not used 1 pce	220R		MF, 1%, 0204, E24
0 C 42	not used 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 6	57.69.1097 1 pce	10k		CF 5% 0603
0 C 43	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 7	57.69.1097 1 pce	10k		CF 5% 0603
0 C 44	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 8	57.69.1097 1 pce	10k		CF 5% 0603
0 C 45	not used 1 pce	100p		CER 50V, 5%, C0G, 0603	0 R 9	57.69.1097 1 pce	10k		CF 5% 0603
0 C 46	not used 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 10	57.60.1222 1 pce	2k2		MF, 1%, 0204, E24
0 C 47	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 11	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 C 48	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 12	57.60.1101 1 pce	100R		MF, 1%, 0204, E24
0 C 49	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 R 13	57.60.1222 1 pce	2k2		MF, 1%, 0204, E24
0 C 50	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 14	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 C 51	not used 1 pce	100p		CER 50V, 5%, C0G, 0603	0 R 15	57.60.1101 1 pce	100R		MF, 1%, 0204, E24
0 C 52	not used 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 16	57.60.1222 1 pce	2k2		MF, 1%, 0204, E24
0 C 53	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 17	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 C 54	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 18	57.60.1101 1 pce	100R		MF, 1%, 0204, E24
0 C 55	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 19	not used 1 pce	27R		MF, 1%, 0204, E24
0 D 1	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 20	57.69.1097 1 pce	10k		CF 5% 0603
0 D 2	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 21	57.69.1097 1 pce	10k		CF 5% 0603
0 D 3	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 22	57.60.1222 1 pce	2k2		MF, 1%, 0204, E24
0 D 4	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 23	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 D 5	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 24	57.60.1101 1 pce	100R		MF, 1%, 0204, E24
0 D 6	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 25	57.60.1222 1 pce	2k2		MF, 1%, 0204, E24
0 D 7	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 26	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 D 8	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 27	57.60.1101 1 pce	100R		MF, 1%, 0204, E24
0 D 9	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 28	57.92.7053 1 pce	1.6A		PTC 30V
0 D 10	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 29	not used 1 pce	22R		MF, 1%, 0204, E24
0 D 11	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 30	not used 1 pce	2k2		MF, 1%, 0204, E24
0 D 12	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 31	not used 1 pce	10k		CF 5% 0603
0 D 13	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 32	57.60.1222 1 pce	2k2		MF, 1%, 0204, E24
0 D 14	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 33	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 D 15	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 34	57.60.1101 1 pce	100R		MF, 1%, 0204, E24
0 D 16	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 35	57.60.1222 1 pce	2k2		MF, 1%, 0204, E24
0 D 17	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 36	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 D 18	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 37	57.60.1101 1 pce	100R		MF, 1%, 0204, E24
0 D 19	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 38	not used 1 pce	27R		MF, 1%, 0204, E24
0 D 20	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 39	not used 1 pce	1k0		MF, 1%, 0204, E24
0 D 21	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 40	not used 1 pce	22R		MF, 1%, 0204, E24
0 D 22	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 41	not used 1 pce	22R		MF, 1%, 0204, E24
0 D 23	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 42	57.69.1097 1 pce	10k		CF 5% 0603
0 D 24	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 43	not used 1 pce	27R		MF, 1%, 0204, E24
0 D 25	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 44	not used 1 pce	2k2		MF, 1%, 0204, E24
0 D 26	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 45	57.69.1097 1 pce	10k		CF 5% 0603
0 D 27	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 46	not used 1 pce	1k0		MF, 1%, 0204, E24
0 D 28	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 47	not used 1 pce	22R		MF, 1%, 0204, E24
0 D 29	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 48	57.60.1100 1 pce	10R		MF, 1%, 0204, E24
0 DL 1	not used 1 pce		HLMP1790	DL HLMP - 1790 GN	0 R 49	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 DL 2	50.04.2202 1 pce		HLMP1790	DL HLMP - 1790 GN	0 R 50	57.69.1073 1 pce	1k0		CF 5% 0603
0 IC 1	not used 1 pce		DS34C87	4*RS 422 Line Driver	0 R 51	not used 1 pce	27R		MF, 1%, 0204, E24

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 52	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 53	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 54	57.69.1097	1 pce	10k	CF 5% 0603
0 R 55	57.69.1097	1 pce	10k	CF 5% 0603
0 R 56	57.69.1097	1 pce	10k	CF 5% 0603
0 R 57	57.69.1097	1 pce	10k	CF 5% 0603
0 R 58	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 59	57.60.1562	1 pce	5k6	MF, 1%, 0204, E24
0 R 60	57.60.1822	1 pce	8k2	MF, 1%, 0204, E24
0 R 61	57.60.1183	1 pce	18k	MF, 1%, 0204, E24
0 R 62	57.60.1104	1 pce	100k	MF, 1%, 0204, E24
0 R 63	57.60.1100	1 pce	10R	MF, 1%, 0204, E24
0 R 64	57.69.1097	1 pce	10k	CF 5% 0603
0 R 65	57.69.1097	1 pce	10k	CF 5% 0603
0 R 66	not used	1 pce	27R	MF, 1%, 0204, E24
0 R 67	57.60.1101	1 pce	100R	MF, 1%, 0204, E24
0 R 68	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 69	not used	1 pce	2k2	MF, 1%, 0204, E24
0 R 70	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 71	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 72	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 73	not used	1 pce	27R	MF, 1%, 0204, E24
0 R 74	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 75	57.69.1073	1 pce	1k0	CF 5% 0603
0 R 76	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 R 77	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24
0 R 78	57.60.1101	1 pce	100R	MF, 1%, 0204, E24
0 R 79	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 R 80	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24
0 R 81	57.60.1101	1 pce	100R	MF, 1%, 0204, E24
0 R 82	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 R 83	57.60.1473	1 pce	47k	MF, 1%, 0204, E24
0 R 84	57.69.1097	1 pce	10k	CF 5% 0603
0 R 85	57.69.1097	1 pce	10k	CF 5% 0603
0 R 86	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 R 87	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24
0 R 88	57.60.1101	1 pce	100R	MF, 1%, 0204, E24
0 R 89	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 R 90	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24
0 R 91	57.60.1101	1 pce	100R	MF, 1%, 0204, E24
0 R 92	57.60.1000	1 pce	0R0	MF, 0204
0 R 93	not used	1 pce	27R	MF, 1%, 0204, E24
0 R 94	not used	1 pce	2k2	MF, 1%, 0204, E24
0 R 95	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 R 96	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24
0 R 97	57.60.1101	1 pce	100R	MF, 1%, 0204, E24
0 R 98	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 R 99	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24
0 R 100	57.60.1101	1 pce	100R	MF, 1%, 0204, E24
0 R 101	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 R 102	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24
0 R 103	57.60.1101	1 pce	100R	MF, 1%, 0204, E24
0 R 104	not used	1 pce	22R	MF, 1%, 0204, E24
0 S 1	55.01.0164	1 pce	4*a	DIL-Switch, PCB
0 T 1	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 2	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 3	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 4	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 5	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 6	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 7	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 8	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 9	not used	1 pce	1:1	DI/DO TRANSFORMER
0 TP 1	54.33.6010	1 pce	2.8*0.8	PCB-Flachstecker, gerade
0 XDL 2	50.20.2501	1 pce	Spacer	LED-Sockel
0 XIC 13	53.03.2284	1 pce	84p	PLCC-Socket
0 XIC 14	53.03.0166	1 pce	8p	DIL 0.3", löt, gerade

End of List

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 2	50.62.0913 1 pce		CS8412	AES-Receiver
0 C 2	59.60.2249 1 pce	100p		CER 50V, 5%, C0G, 0603	0 IC 3	50.62.0463 1 pce		DS34C86	4*RS 422 Line Receiver
0 C 3	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 4	50.62.1165 1 pce		74HC165	8bit shift register
0 C 4	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 5	50.62.1541 1 pce		74HC541	Octal buffer line driver/recei
0 C 5	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 6	50.62.0464 1 pce		DS34C87	4*RS 422 Line Driver
0 C 6	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 IC 7	50.06.0541 1 pce		74LS541	SN 74 LS 541 N
0 C 7	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 IC 8	50.06.0541 1 pce		74LS541	SN 74 LS 541 N
0 C 8	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 9	50.61.0205 1 pce		TS272CD	Dual Op-Amp CMOS SO 8
0 C 9	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 10	50.62.4946 1 pce		74HCT9046	PLL with bandgap contr VCO
0 C 10	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 11	50.62.6014 1 pce		74ACT 14	Hex inverting Schmitt trigger
0 C 11	59.68.0069 1 pce	47u		EL 16V, 6.3*5.7	0 IC 12	50.62.0464 1 pce		DS34C87	4*RS 422 Line Driver
0 C 12	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 13	50.63.4210 1 pce		EPF10K10	PLD 10 000 gates
0 C 13	59.60.2249 1 pce	100p		CER 50V, 5%, C0G, 0603	0 IC 14	1.940.985.20 1 pce			SVV480 TDIFIN (50.63.4298)
0 C 14	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 15	50.62.1541 1 pce		74HC541	Octal buffer line driver/recei
0 C 15	59.60.3333 1 pce	47n		CER 50V, 10%, X7R, 0805	0 IC 16	50.62.0464 1 pce		DS34C87	4*RS 422 Line Driver
0 C 16	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 J 1	54.11.2009 1 pce		96p	EU-R 3*32p
0 C 17	59.60.2249 1 pce	100p		CER 50V, 5%, C0G, 0603	0 J 2	54.01.0021 1 pce			Jumper
0 C 18	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 J 3	54.01.0021 1 pce			Jumper
0 C 19	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 1	1.940.480.11 1 pce			D19M TDIF IN PCB
0 C 20	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 2	1.940.481.04 1 pce			TYPENSCHILD
0 C 21	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 3	43.01.0108 1 pce		Label	ESE-WARNschild
0 C 22	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 10	1.940.481.01 1 pce			FRONTPLATTE TDIF IN/AES OUT
0 C 23	59.60.2249 1 pce	100p		CER 50V, 5%, C0G, 0603	0 MP 11	1.940.600.04 1 pce			GRIFFEINLAGE 4TE
0 C 24	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 12	49.02.0520 2 pcs		M2.5*12	Rändelschraube (Rack)
0 C 25	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)
0 C 26	59.60.2241 1 pce	47p		CER 50V, 5%, C0G, 0603	0 MP 14	not used 1 pce		M2.5*7	Senk-Schr, KS, Senkripp
0 C 27	59.60.2249 1 pce	100p		CER 50V, 5%, C0G, 0603	0 MP 15	21.53.0284 1 pce		M2.5*16	Z-Schraube Inbus Zn gb chr
0 C 28	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 16	49.02.0504 1 pce		4TE	Frontplatten-Griff
0 C 29	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 17	49.02.0522 1 pce			Kartenhalter mit Z-Schr
0 C 30	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 18	not used 1 pce			Kartenhalter mit Z-Schr
0 C 31	59.68.0067 1 pce	22u		EL 16V, 5.0*5.7	0 MP 19	28.99.0119 2 pcs			ROHRNIETE D 2.5*0.15* 9
0 C 32	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	1 MP 20	54.13.0081 4 pcs		4.85mm	Boizen UNC 4-40
0 C 33	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	1 MP 21	24.16.2025 4 pcs		2.7/5.5	Fächerschleife Form A
0 C 34	59.60.3317 1 pce	2n2		CER 50V, 10%, X7R, 0805	0 P 1	54.13.0077 1 pce		15p	D-Sub, PCB, Winkel
0 C 35	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 P 2	not used 1 pce		16p	Stecker gerade Au
0 C 36	59.60.2249 1 pce	100p		CER 50V, 5%, C0G, 0603	0 P 3	54.13.0077 1 pce		15p	D-Sub, PCB, Winkel
0 C 37	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 P 4	not used 1 pce		16p	Stecker gerade Au
0 C 38	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 P 5	54.11.0136 1 pce		2*3p	Pin 0.63*0.63, RM2.54
0 C 39	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 1	57.60.1270 1 pce		27R	MF, 1%, 0204, E24
0 C 40	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 2	57.60.1220 1 pce		22R	MF, 1%, 0204, E24
0 C 41	59.60.2249 1 pce	100p		CER 50V, 5%, C0G, 0603	0 R 3	57.60.1104 1 pce		100k	MF, 1%, 0204, E24
0 C 42	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 4	57.60.1221 1 pce		220R	MF, 1%, 0204, E24
0 C 43	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 5	57.60.1221 1 pce		220R	MF, 1%, 0204, E24
0 C 44	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 6	57.69.1097 1 pce		10k	CF 5% 0603
0 C 45	59.60.2249 1 pce	100p		CER 50V, 5%, C0G, 0603	0 R 7	57.69.1097 1 pce		10k	CF 5% 0603
0 C 46	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 8	57.69.1097 1 pce		10k	CF 5% 0603
0 C 47	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 9	57.69.1097 1 pce		10k	CF 5% 0603
0 C 48	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 10	57.60.1222 1 pce		2k2	MF, 1%, 0204, E24
0 C 49	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 R 11	57.60.1472 1 pce		4k7	MF, 1%, 0204, E24
0 C 50	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 12	57.60.1101 1 pce		100R	MF, 1%, 0204, E24
0 C 51	59.60.2249 1 pce	100p		CER 50V, 5%, C0G, 0603	0 R 13	57.60.1222 1 pce		2k2	MF, 1%, 0204, E24
0 C 52	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 14	57.60.1472 1 pce		4k7	MF, 1%, 0204, E24
0 C 53	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 15	57.60.1101 1 pce		100R	MF, 1%, 0204, E24
0 C 54	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 16	57.60.1222 1 pce		2k2	MF, 1%, 0204, E24
0 C 55	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 17	57.60.1472 1 pce		4k7	MF, 1%, 0204, E24
0 D 1	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 18	57.60.1101 1 pce		100R	MF, 1%, 0204, E24
0 D 2	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 19	57.60.1270 1 pce		27R	MF, 1%, 0204, E24
0 D 3	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 20	57.69.1097 1 pce		10k	CF 5% 0603
0 D 4	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 21	57.69.1097 1 pce		10k	CF 5% 0603
0 D 5	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 22	57.60.1222 1 pce		2k2	MF, 1%, 0204, E24
0 D 6	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 23	57.60.1472 1 pce		4k7	MF, 1%, 0204, E24
0 D 7	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 24	57.60.1101 1 pce		100R	MF, 1%, 0204, E24
0 D 8	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 25	57.60.1222 1 pce		2k2	MF, 1%, 0204, E24
0 D 9	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 26	57.60.1472 1 pce		4k7	MF, 1%, 0204, E24
0 D 10	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 27	57.60.1101 1 pce		100R	MF, 1%, 0204, E24
0 D 11	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 28	57.92.7053 1 pce		1.6A	PTC 30V
0 D 12	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 29	57.60.1220 1 pce		22R	MF, 1%, 0204, E24
0 D 13	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 30	57.60.1222 1 pce		2k2	MF, 1%, 0204, E24
0 D 14	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 31	57.69.1097 1 pce		10k	CF 5% 0603
0 D 15	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 32	57.60.1222 1 pce		2k2	MF, 1%, 0204, E24
0 D 16	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 33	57.60.1472 1 pce		4k7	MF, 1%, 0204, E24
0 D 17	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 34	57.60.1101 1 pce		100R	MF, 1%, 0204, E24
0 D 18	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 35	57.60.1222 1 pce		2k2	MF, 1%, 0204, E24
0 D 19	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 36	57.60.1472 1 pce		4k7	MF, 1%, 0204, E24
0 D 20	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 37	57.60.1101 1 pce		100R	MF, 1%, 0204, E24
0 D 21	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 38	57.60.1270 1 pce		27R	MF, 1%, 0204, E24
0 D 22	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 39	57.60.1102 1 pce		1k0	MF, 1%, 0204, E24
0 D 23	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 40	57.60.1220 1 pce		22R	MF, 1%, 0204, E24
0 D 24	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 41	57.60.1220 1 pce		22R	MF, 1%, 0204, E24
0 D 25	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 42	57.69.1097 1 pce		10k	CF 5% 0603
0 D 26	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 43	57.60.1270 1 pce		27R	MF, 1%, 0204, E24
0 D 27	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 44	57.60.1222 1 pce		2k2	MF, 1%, 0204, E24
0 D 28	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 45	57.69.1097 1 pce		10k	CF 5% 0603
0 D 29	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 46	57.60.1102 1 pce		1k0	MF, 1%, 0204, E24
0 DL 1	50.04.2202 1 pce		HLMP1790	DL HLMP - 1790 GN	0 R 47	57.60.1220 1 pce		22R	MF, 1%, 0204, E24
0 DL 2	not used 1 pce		HLMP1790	DL HLMP - 1790 GN	0 R 48	57.60.1100 1 pce		10R	MF, 1%, 0204, E24
0 IC 1	50.62.0464 1 pce		DS34C87	4*RS 422 Line Driver	0 R 49	57.60.1103 1 pce		10k	MF, 1%, 0204, E24

TDIFI, TDIF In with AES Out 1.940.481.20 (1)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 50	57.69.1073	1 pce	1k0	CF 5% 0603					
0 R 51	57.60.1270	1 pce	27R	MF, 1%, 0204, E24					
0 R 52	57.60.1103	1 pce	10k	MF, 1%, 0204, E24					
0 R 53	57.60.1103	1 pce	10k	MF, 1%, 0204, E24					
0 R 54	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 55	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 56	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 57	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 58	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 59	57.60.1562	1 pce	5k6	MF, 1%, 0204, E24					
0 R 60	57.60.1822	1 pce	8k2	MF, 1%, 0204, E24					
0 R 61	57.60.1183	1 pce	18k	MF, 1%, 0204, E24					
0 R 62	57.60.1104	1 pce	100k	MF, 1%, 0204, E24					
0 R 63	57.60.1100	1 pce	10R	MF, 1%, 0204, E24					
0 R 64	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 65	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 66	57.60.1270	1 pce	27R	MF, 1%, 0204, E24					
0 R 67	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 68	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 69	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24					
0 R 70	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 71	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 72	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 73	57.60.1270	1 pce	27R	MF, 1%, 0204, E24					
0 R 74	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 75	57.69.1073	1 pce	1k0	CF 5% 0603					
0 R 76	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24					
0 R 77	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24					
0 R 78	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 79	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24					
0 R 80	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24					
0 R 81	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 82	not used	1 pce	1k0	MF, 1%, 0204, E24					
0 R 83	57.60.1473	1 pce	47k	MF, 1%, 0204, E24					
0 R 84	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 85	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 86	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24					
0 R 87	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24					
0 R 88	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 89	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24					
0 R 90	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24					
0 R 91	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 92	not used	1 pce	0R0	MF, 0204					
0 R 93	57.60.1270	1 pce	27R	MF, 1%, 0204, E24					
0 R 94	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24					
0 R 95	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24					
0 R 96	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24					
0 R 97	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 98	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24					
0 R 99	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24					
0 R 100	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 101	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24					
0 R 102	57.60.1472	1 pce	4k7	MF, 1%, 0204, E24					
0 R 103	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 104	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 S 1	55.01.0164	1 pce	4*a	DIL-Switch, PCB					
0 T 1	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 2	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 3	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 4	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 5	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 6	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 7	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 8	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 9	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER					
0 TP 1	54.33.8010	1 pce	2.8*0.8	PCB-Flachstecker, gerade					
0 XDL 1	50.20.2501	1 pce	Spacer	LED-Sockel					
0 XIC 13	53.03.2284	1 pce	84p	PLCC-Socket					
0 XIC 14	53.03.0166	1 pce	8p	DIL 0.3", löt, gerade					

End of List

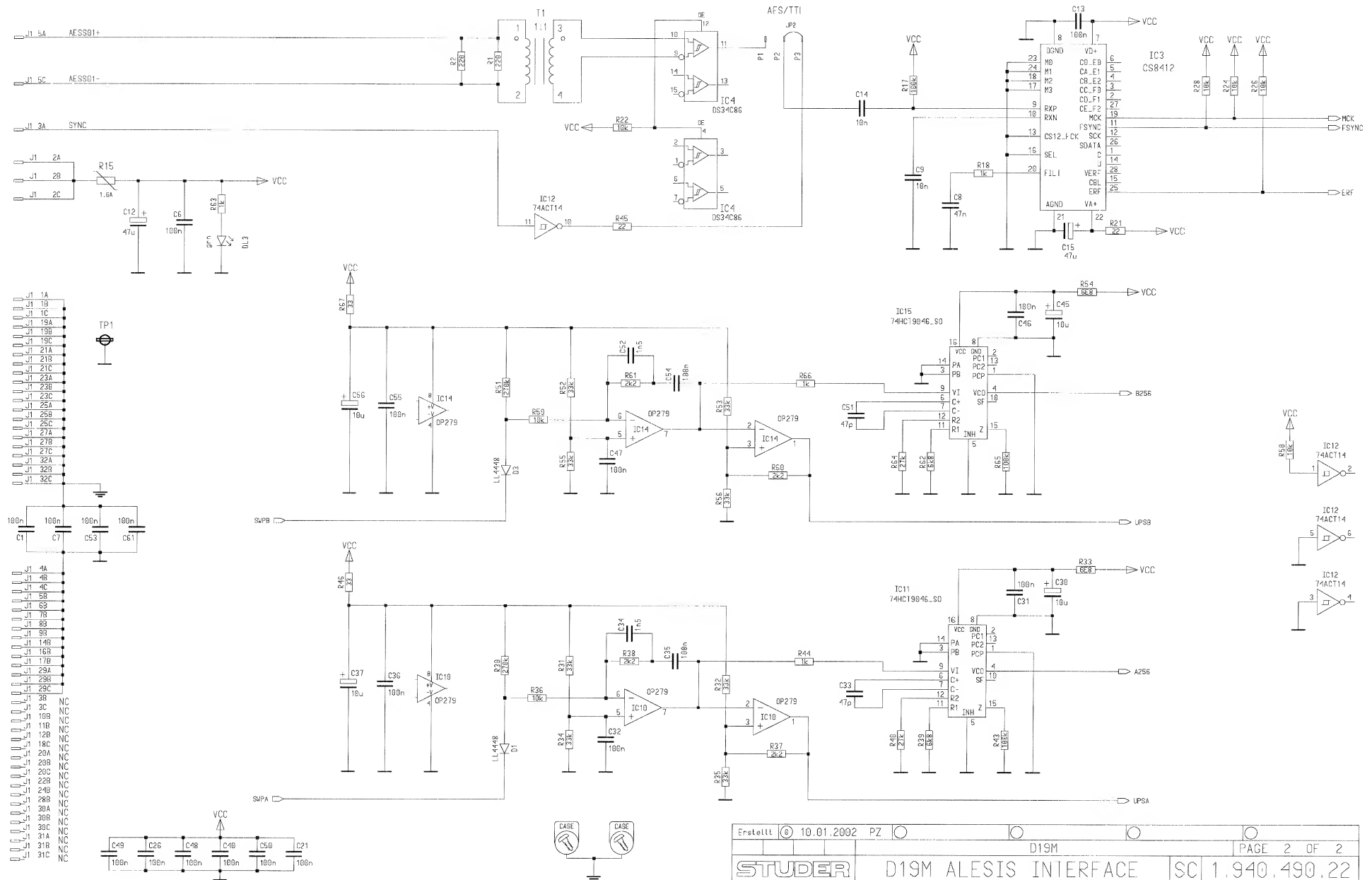
(01) Additionally MP20 and MP21

Estellt 10.01.2002 PZ

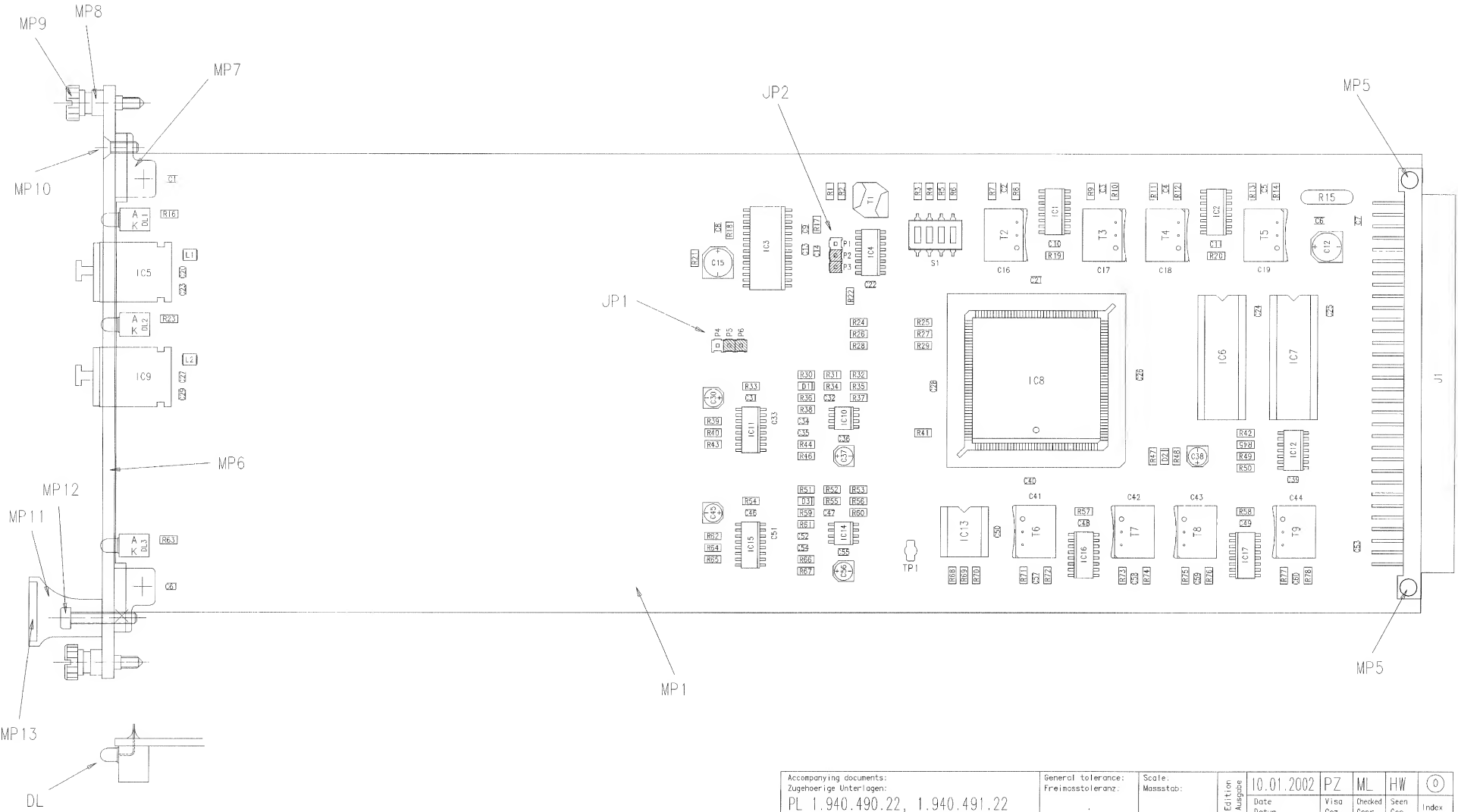
STUDER D19M ALESIS INTERFACE

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1.940.490.22

ADATII, ADAT Interface 1.940.490.22 (0); ADAT Interface w. AES Out 1.940.491.22 (0)


ADATII, ADAT Interface 1.940.490.22 (0); ADAT Interface w. AES Out 1.940.491.22 (0)



Accompanying documents: Zugehörige Unterlagen: PL 1.940.490.22, 1.940.491.22		General tolerance: Freimastoleranz:	Scale: Maßstab:	Edition Ausgabe		10.01.2002	PZ	ML	HW	⓪
Substitute for: Ersatz fuer:				Date Datum	Visa Gez	Checked Gepr.	Seen Ges.	Index		
				Page: Seite:	1 / 1					
STUDER REGENSDORF		Description: Benennung:	D19M ALESIS INTERFACE, ESE				Number: Nummer:	1.940.490.22		

ADATI, ADAT Interface 1.940.490.22 (1)

Page: 1 of 2

Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 L 1	62.60.0125	1 pce	100uH	SMD 10% 1210
0 C 2	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 L 2	62.60.0125	1 pce	100uH	SMD 10% 1210
0 C 3	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 1	1.940.490.12	1 pce		D19M ALESIS Interface PCB
0 C 4	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 2	43.01.0108	1 pce	Label	ESE-WARNschild
0 C 5	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 3	1.940.490.04	1 pce		TYPENSCHILD
0 C 6	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 4	1.101.001.22	1 pce		TEXT-ETIK. 5*20 HARDWARE -22
0 C 7	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 5	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9
0 C 8	not used	1 pce	47n	CER 50V, 10%, X7R, 0805	0 MP 6	1.940.490.01	1 pce		FRONTPLATTE ALESIS
0 C 9	not used	1 pce	10n	CER 50V, 10%, X7R, 0805	0 MP 7	49.02.0522	2 pcs		Kartenhalter mit Z-Schr
0 C 10	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 8	49.02.0521	2 pcs		Metall-Buchse (Rack)
0 C 11	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 9	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)
0 C 12	59.68.0069	1 pce	47u	EL 16V, 6.3*5.7	0 MP 10	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp
0 C 13	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 11	49.02.0504	1 pce	4TE	Frontplatten-Griff
0 C 14	not used	1 pce	10n	CER 50V, 10%, X7R, 0805	0 MP 12	21.53.0284	1 pce	M2.5*16	Z-Schraube Inbus Zn gb chr
0 C 15	not used	1 pce	47u	EL 16V, 6.3*5.7	0 MP 13	1.940.600.04	1 pce		GRIFFEINLAGE 4TE
0 C 16	not used	1 pce	100p	CER 50V, 5%, C0G, 0603	0 P 1	not used	1 pce	1p	Pin, 1reihig, gerade
0 C 17	not used	1 pce	100p	CER 50V, 5%, C0G, 0603	0 P 2	not used	1 pce	1p	Pin, 1reihig, gerade
0 C 18	not used	1 pce	100p	CER 50V, 5%, C0G, 0603	0 P 3	not used	1 pce	1p	Pin, 1reihig, gerade
0 C 19	not used	1 pce	100p	CER 50V, 5%, C0G, 0603	0 P 4	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 C 20	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 P 5	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 C 21	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 P 6	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 C 22	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 1	not used	1 pce	220R	MF, 1%, 0204, E24
0 C 23	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 2	not used	1 pce	220R	MF, 1%, 0204, E24
0 C 24	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 3	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 25	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 4	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 26	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 5	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 27	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 6	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 28	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 7	not used	1 pce	27R	MF, 1%, 0204, E24
0 C 29	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 8	not used	1 pce	22R	MF, 1%, 0204, E24
0 C 30	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 R 9	not used	1 pce	27R	MF, 1%, 0204, E24
0 C 31	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 10	not used	1 pce	22R	MF, 1%, 0204, E24
0 C 32	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 11	not used	1 pce	27R	MF, 1%, 0204, E24
0 C 33	59.60.2241	1 pce	47p	CER 50V, 5%, C0G, 0603	0 R 12	not used	1 pce	22R	MF, 1%, 0204, E24
0 C 34	59.60.3315	1 pce	1n5	CER 50V, 10%, X7R, 0805	0 R 13	not used	1 pce	27R	MF, 1%, 0204, E24
0 C 35	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 14	not used	1 pce	22R	MF, 1%, 0204, E24
0 C 36	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 15	57.62.7053	1 pce	1.6A	PTC 30V
0 C 37	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 R 16	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 C 38	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 R 17	not used	1 pce	100k	MF, 1%, 0204, E24
0 C 39	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 18	not used	1 pce	1k0	MF, 1%, 0204, E24
0 C 40	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 19	not used	1 pce	2k2	MF, 1%, 0204, E24
0 C 41	not used	1 pce	100p	CER 50V, 5%, C0G, 0603	0 R 20	not used	1 pce	2k2	MF, 1%, 0204, E24
0 C 42	not used	1 pce	100p	CER 50V, 5%, C0G, 0603	0 R 21	not used	1 pce	22R	MF, 1%, 0204, E24
0 C 43	not used	1 pce	100p	CER 50V, 5%, C0G, 0603	0 R 22	not used	1 pce	10k	MF, 1%, 0204, E24
0 C 44	not used	1 pce	100p	CER 50V, 5%, C0G, 0603	0 R 23	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 C 45	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 R 24	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 46	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 25	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 47	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 26	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 48	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 27	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 49	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 28	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 50	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 29	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 51	59.60.2241	1 pce	47p	CER 50V, 5%, C0G, 0603	0 R 30	57.60.1274	1 pce	270k	MF, 1%, 0204, E24
0 C 52	59.60.3315	1 pce	1n5	CER 50V, 10%, X7R, 0805	0 R 31	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 C 53	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 32	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 C 54	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 33	57.60.1689	1 pce	6R8	MF, 1%, 0204, E24
0 C 55	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 34	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 C 56	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 R 35	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 C 57	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 36	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 58	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 37	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 C 59	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 38	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 C 60	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 39	57.60.1682	1 pce	6k8	MF, 1%, 0204, E24
0 C 61	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 40	57.60.1273	1 pce	27k	MF, 1%, 0204, E24
0 D 1	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80	0 R 41	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 D 2	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80	0 R 42	57.60.1330	1 pce	33R	MF, 1%, 0204, E24
0 D 3	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80	0 R 43	57.60.1104	1 pce	100k	MF, 1%, 0204, E24
0 DL 1	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN	0 R 44	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 DL 2	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN	0 R 45	not used	1 pce	22R	MF, 1%, 0204, E24
0 DL 3	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN	0 R 46	57.60.1330	1 pce	33R	MF, 1%, 0204, E24
0 IC 1	not used	1 pce	DS34C87	4*RS 422 Line Driver	0 R 47	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 IC 2	not used	1 pce	DS34C87	4*RS 422 Line Driver	0 R 48	57.60.1473	1 pce	47k	MF, 1%, 0204, E24
0 IC 3	not used	1 pce	CS8412	AES-Receiver	0 R 49	57.60.1330	1 pce	33R	MF, 1%, 0204, E24
0 IC 4	not used	1 pce	DS34C86	4*RS 422 Line Receiver	0 R 50	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 IC 5	89.10.0131	1 pce	TORX194	Toslink Receiver	0 R 51	57.60.1274	1 pce	270k	MF, 1%, 0204, E24
0 IC 6	50.06.0541	1 pce	74LS541	SN 74 LS 541 N	0 R 52	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 IC 7	50.06.0541	1 pce	74LS541	SN 74 LS 541 N	0 R 53	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 IC 8	50.63.4210	1 pce	EPF10K10	PLD 10 000 gates	0 R 54	57.60.1689	1 pce	6R8	MF, 1%, 0204, E24
0 IC 9	89.10.0131	1 pce	TORX194	Toslink Receiver	0 R 55	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 IC 10	50.61.0203	1 pce	OP279	Dual Op-Amp single supply	0 R 56	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 IC 11	50.62.4946	1 pce	74HCT9046	PLL with bandgap contr VCO	0 R 57	not used	1 pce	2k2	MF, 1%, 0204, E24
0 IC 12	50.62.6014	1 pce	74ACT 14	Hex inverting Schmitt trigger	0 R 58	not used	1 pce	2k2	MF, 1%, 0204, E24
0 IC 13	1.940.956.20	1 pce		SW490 PADATI (50.63.4298)	0 R 59	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 IC 14	50.61.0203	1 pce	OP279	Dual Op-Amp single supply	0 R 60	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 IC 15	50.62.4946	1 pce	74HCT9046	PLL with bandgap contr VCO	0 R 61	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 IC 16	not used	1 pce	DS34C87	4*RS 422 Line Driver	0 R 62	57.60.1682	1 pce	6k8	MF, 1%, 0204, E24
0 IC 17	not used	1 pce	DS34C87	4*RS 422 Line Driver	0 R 63	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 J 1	54.11.2009	1 pce	96p	EU-R 3*32p	0 R 64	57.60.1273	1 pce	27k	MF, 1%, 0204, E24
0 JP 1	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au	0 R 65	57.60.1104	1 pce	100k	MF, 1%, 0204, E24
1 JP 2	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au	0 R 66	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24

ADAT I, ADAT Interface 1.940.490.22 (1)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 67	57.60.1330	1 pce	33R	MF, 1%, 0204, E24					
0 R 68	57.60.1103	1 pce	10k	MF, 1%, 0204, E24					
0 R 69	57.60.1103	1 pce	10k	MF, 1%, 0204, E24					
0 R 70	57.60.1103	1 pce	10k	MF, 1%, 0204, E24					
0 R 71	not used	1 pce	22R	MF, 1%, 0204, E24					
0 R 72	not used	1 pce	27R	MF, 1%, 0204, E24					
0 R 73	not used	1 pce	22R	MF, 1%, 0204, E24					
0 R 74	not used	1 pce	27R	MF, 1%, 0204, E24					
0 R 75	not used	1 pce	22R	MF, 1%, 0204, E24					
0 R 76	not used	1 pce	27R	MF, 1%, 0204, E24					
0 R 77	not used	1 pce	22R	MF, 1%, 0204, E24					
0 R 78	not used	1 pce	27R	MF, 1%, 0204, E24					
0 S 1	55.60.0104	1 pce	4p	SMD DIL-Switch					
0 T 1	not used	1 pce	1:1	DI/DO TRANSFORMER					
0 T 2	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 3	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 4	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 5	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 6	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 7	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 8	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 T 9	not used	1 pce	1:1.4	OUTPUT TRAFO AES/EBU					
0 TP 1	54.02.0320	1 pce	1p	PCB-Flachst 2.6*0.8, gerade					
0 XDL 1	50.20.2501	1 pce	Spacer	LED-Sockel					
0 XDL 2	50.20.2501	1 pce	Spacer	LED-Sockel					
0 XDL 3	50.20.2501	1 pce	Spacer	LED-Sockel					
0 XIC 8	53.03.2284	1 pce	84p	PLCC-Socket					
0 XIC 13	53.03.0166	1 pce	8p	DIL 0.3", lötl, gerade					

End of List

(01) JP2 Jumper is used

ADATI, ADAT Interface w. AES Out 1.940.491.22 (0)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 L 1	62.60.0125	1 pce	100uH	SMD 10% 1210
0 C 2	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 L 2	62.60.0125	1 pce	100uH	SMD 10% 1210
0 C 3	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 1	1.940.490.12	1 pce		D19M ALESIS Interface PCB
0 C 4	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 2	43.01.0108	1 pce	Label	ESE-WARNSCHILD
0 C 5	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 3	1.940.490.04	1 pce		TYPENSCHILD
0 C 6	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 4	1.101.001.22	1 pce		TEXT-ETIK. 5*20 HARDWARE -22
0 C 7	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 5	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9
0 C 8	59.60.3333	1 pce	47n	CER 50V, 10%, X7R, 0805	0 MP 6	1.940.490.01	1 pce		FRONTPLATTE ALESIS
0 C 9	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805	0 MP 7	49.02.0522	2 pcs		Kartenhalter mit Z-Schr
0 C 10	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 8	49.02.0521	2 pcs		Metall-Buchse (Rack)
0 C 11	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 9	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)
0 C 12	59.68.0069	1 pce	47u	EL 16V, 6.3*5.7	0 MP 10	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp
0 C 13	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 MP 11	49.02.0504	1 pce	4TE	Frontplatten-Griff
0 C 14	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805	0 MP 12	21.53.0284	1 pce	M2.5*16	Z-Schraube Inbus Zn gb chr
0 C 15	59.68.0069	1 pce	47u	EL 16V, 6.3*5.7	0 MP 13	1.940.600.04	1 pce		GRIFFEINLAGE 4TE
0 C 16	59.60.2249	1 pce	100p	CER 50V, 5%, C0G, 0603	0 P 1	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 C 17	59.60.2249	1 pce	100p	CER 50V, 5%, C0G, 0603	0 P 2	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 C 18	59.60.2249	1 pce	100p	CER 50V, 5%, C0G, 0603	0 P 3	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 C 19	59.60.2249	1 pce	100p	CER 50V, 5%, C0G, 0603	0 P 4	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 C 20	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 P 5	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 C 21	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 P 6	54.01.0020	1 pce	1p	Pin, 1reihig, gerade
0 C 22	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 1	57.60.1221	1 pce	220R	MF, 1%, 0204, E24
0 C 23	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 2	57.60.1221	1 pce	220R	MF, 1%, 0204, E24
0 C 24	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 3	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 25	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 4	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 26	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 5	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 27	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 6	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 28	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 7	57.60.1270	1 pce	27R	MF, 1%, 0204, E24
0 C 29	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 8	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 C 30	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 R 9	57.60.1270	1 pce	27R	MF, 1%, 0204, E24
0 C 31	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 10	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 C 32	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 11	57.60.1270	1 pce	27R	MF, 1%, 0204, E24
0 C 33	59.60.2241	1 pce	47p	CER 50V, 5%, C0G, 0603	0 R 12	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 C 34	59.60.3315	1 pce	1n5	CER 50V, 10%, X7R, 0805	0 R 13	57.60.1270	1 pce	27R	MF, 1%, 0204, E24
0 C 35	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 14	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 C 36	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 15	57.92.7053	1 pce	1.6A	PTC 30V
0 C 37	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 R 16	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 C 38	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 R 17	57.60.1104	1 pce	100k	MF, 1%, 0204, E24
0 C 39	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 18	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 C 40	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 19	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 C 41	59.60.2249	1 pce	100p	CER 50V, 5%, C0G, 0603	0 R 20	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 C 42	59.60.2249	1 pce	100p	CER 50V, 5%, C0G, 0603	0 R 21	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 C 43	59.60.2249	1 pce	100p	CER 50V, 5%, C0G, 0603	0 R 22	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 44	59.60.2249	1 pce	100p	CER 50V, 5%, C0G, 0603	0 R 23	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 C 45	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 R 24	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 46	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 25	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 47	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 26	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 48	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 27	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 49	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 28	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 50	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 29	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 51	59.60.2241	1 pce	47p	CER 50V, 5%, C0G, 0603	0 R 30	57.60.1274	1 pce	270k	MF, 1%, 0204, E24
0 C 52	59.60.3315	1 pce	1n5	CER 50V, 10%, X7R, 0805	0 R 31	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 C 53	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 32	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 C 54	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 33	57.60.1689	1 pce	6R8	MF, 1%, 0204, E24
0 C 55	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 34	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 C 56	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 R 35	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 C 57	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 36	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 C 58	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 37	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 C 59	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 38	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 C 60	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 39	57.60.1682	1 pce	6k8	MF, 1%, 0204, E24
0 C 61	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 R 40	57.60.1273	1 pce	27k	MF, 1%, 0204, E24
0 D 1	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80	0 R 41	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 D 2	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80	0 R 42	57.60.1330	1 pce	33R	MF, 1%, 0204, E24
0 D 3	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80	0 R 43	57.60.1104	1 pce	100k	MF, 1%, 0204, E24
0 DL 1	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN	0 R 44	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 DL 2	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN	0 R 45	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 DL 3	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN	0 R 46	57.60.1330	1 pce	33R	MF, 1%, 0204, E24
0 IC 1	50.62.0464	1 pce	DS34C87	4*RS 422 Line Driver	0 R 47	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 IC 2	50.62.0464	1 pce	DS34C87	4*RS 422 Line Driver	0 R 48	57.60.1473	1 pce	47k	MF, 1%, 0204, E24
0 IC 3	50.62.0913	1 pce	CS8412	AES-Receiver	0 R 49	57.60.1330	1 pce	33R	MF, 1%, 0204, E24
0 IC 4	50.62.0463	1 pce	DS34C86	4*RS 422 Line Receiver	0 R 50	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 IC 5	89.10.0131	1 pce	TORX194	Toslink Receiver	0 R 51	57.60.1274	1 pce	270k	MF, 1%, 0204, E24
0 IC 6	50.06.0541	1 pce	74LS541	SN 74 LS 541 N	0 R 52	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 IC 7	50.06.0541	1 pce	74LS541	SN 74 LS 541 N	0 R 53	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 IC 8	50.63.4210	1 pce	EPF10K10	PLD 10 000 gates	0 R 54	57.60.1689	1 pce	6R8	MF, 1%, 0204, E24
0 IC 9	89.10.0131	1 pce	TORX194	Toslink Receiver	0 R 55	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 IC 10	50.61.0203	1 pce	OP279	Dual Op-Amp single supply	0 R 56	57.60.1333	1 pce	33k	MF, 1%, 0204, E24
0 IC 11	50.62.4946	1 pce	74HCT9046	PLL with bandgap contr VCO	0 R 57	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 IC 12	50.62.6014	1 pce	74ACT 14	Hex inverting Schmitt trigger	0 R 58	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 IC 13	1.940.956.20	1 pce		SW490 PADATI (50.63.4298)	0 R 59	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 IC 14	50.61.0203	1 pce	OP279	Dual Op-Amp single supply	0 R 60	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 IC 15	50.62.4946	1 pce	74HCT9046	PLL with bandgap contr VCO	0 R 61	57.60.1222	1 pce	2k2	MF, 1%, 0204, E24
0 IC 16	50.62.0464	1 pce	DS34C87	4*RS 422 Line Driver	0 R 62	57.60.1682	1 pce	6k8	MF, 1%, 0204, E24
0 IC 17	50.62.0464	1 pce	DS34C87	4*RS 422 Line Driver	0 R 63	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 J 1	54.11.2009	1 pce	96p	EU-R 3*32p	0 R 64	57.60.1273	1 pce	27k	MF, 1%, 0204, E24
0 JP 1	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au	0 R 65	57.60.1104	1 pce	100k	MF, 1%, 0204, E24
0 JP 2	54.01.0021	1 pce	Jumper	0.63*0.63mm, Au	0 R 66	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24

ADAT I, ADAT Interface w. AES Out 1.940.491.22 (0)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 67	57.60.1330	1 pce	33R	MF, 1%, 0204, E24
0 R 68	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 69	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 70	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 71	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 72	57.60.1270	1 pce	27R	MF, 1%, 0204, E24
0 R 73	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 74	57.60.1270	1 pce	27R	MF, 1%, 0204, E24
0 R 75	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 76	57.60.1270	1 pce	27R	MF, 1%, 0204, E24
0 R 77	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 78	57.60.1270	1 pce	27R	MF, 1%, 0204, E24
0 S 1	55.60.0104	1 pce	4p	SMD DIL-Switch
0 T 1	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER
0 T 2	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 3	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 4	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 5	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 6	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 7	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 8	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 T 9	1.022.647.00	1 pce	1:1.4	OUTPUT TRAFO AES/EBU
0 TP 1	54.02.0320	1 pce	1p	PCB-Flachst 2.8*0.8, gerade
0 XDL 1	50.20.2501	1 pce	Spacer	LED-Sockel
0 XDL 2	50.20.2501	1 pce	Spacer	LED-Sockel
0 XDL 3	50.20.2501	1 pce	Spacer	LED-Sockel
0 XIC 8	53.03.2284	1 pce	84p	PLCC-Socket
0 XIC 13	53.03.0166	1 pce	8p	DIL 0.3", lötl, gerade

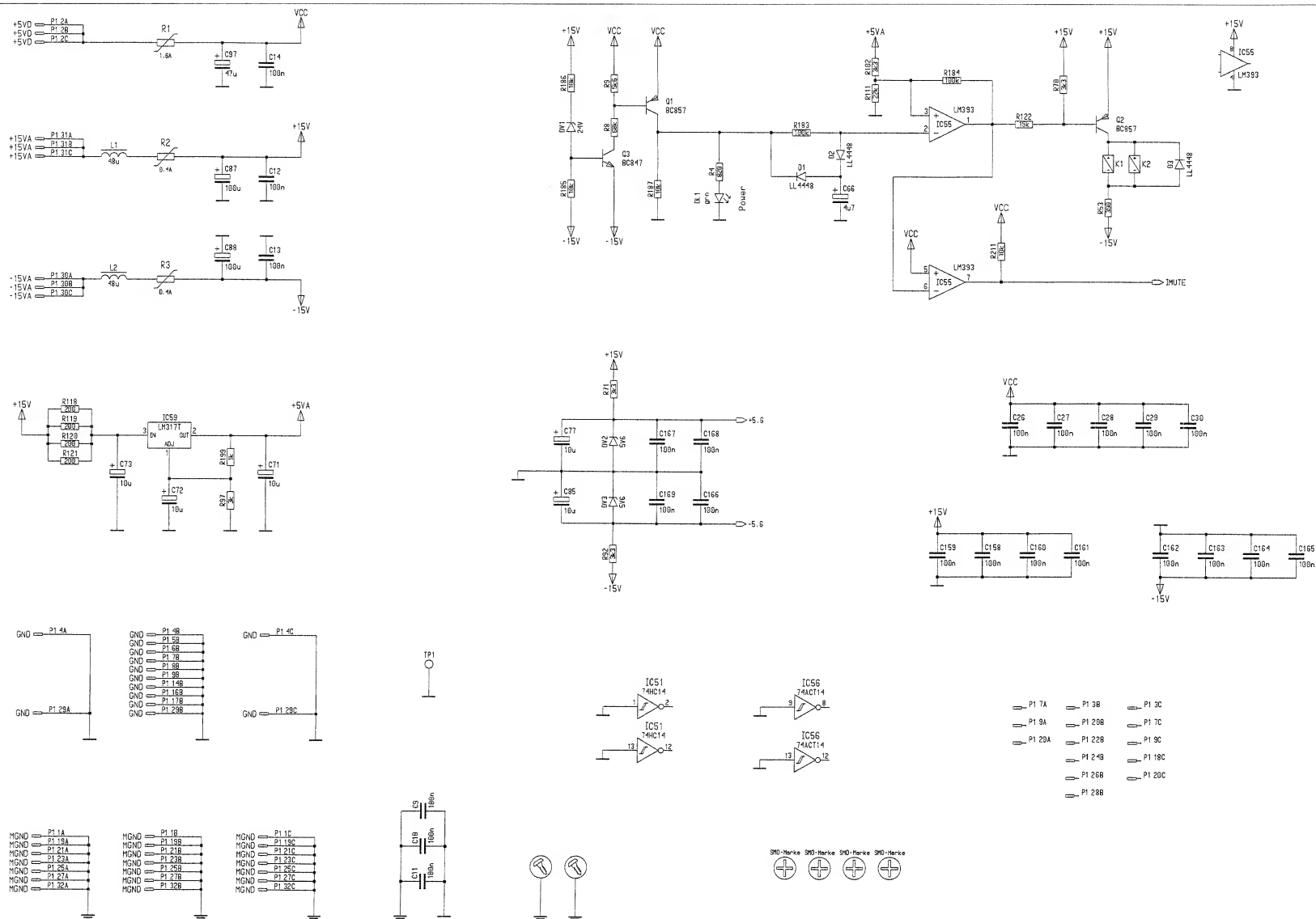
End of List

CIRCUIT DIAGRAMS: D19m OUTPUT INTERFACE CARDS

C4DA Board	1.940.570
C4DA/24/96 Board	1.940.571
AESO Board	1.940.585
Block Diagram MADO.....	1.940.520/1.940.530
MADO Coaxial.....	1.940.520
MADO Optical	1.940.530
MADO Optical	1.940.531
MADO Optical	1.940.532
TDIFO Board	1.940.485
TDIFO with AES In.....	1.940.486
ADATO Interface	1.940.495
ADATO Interface with AES In	1.940.496

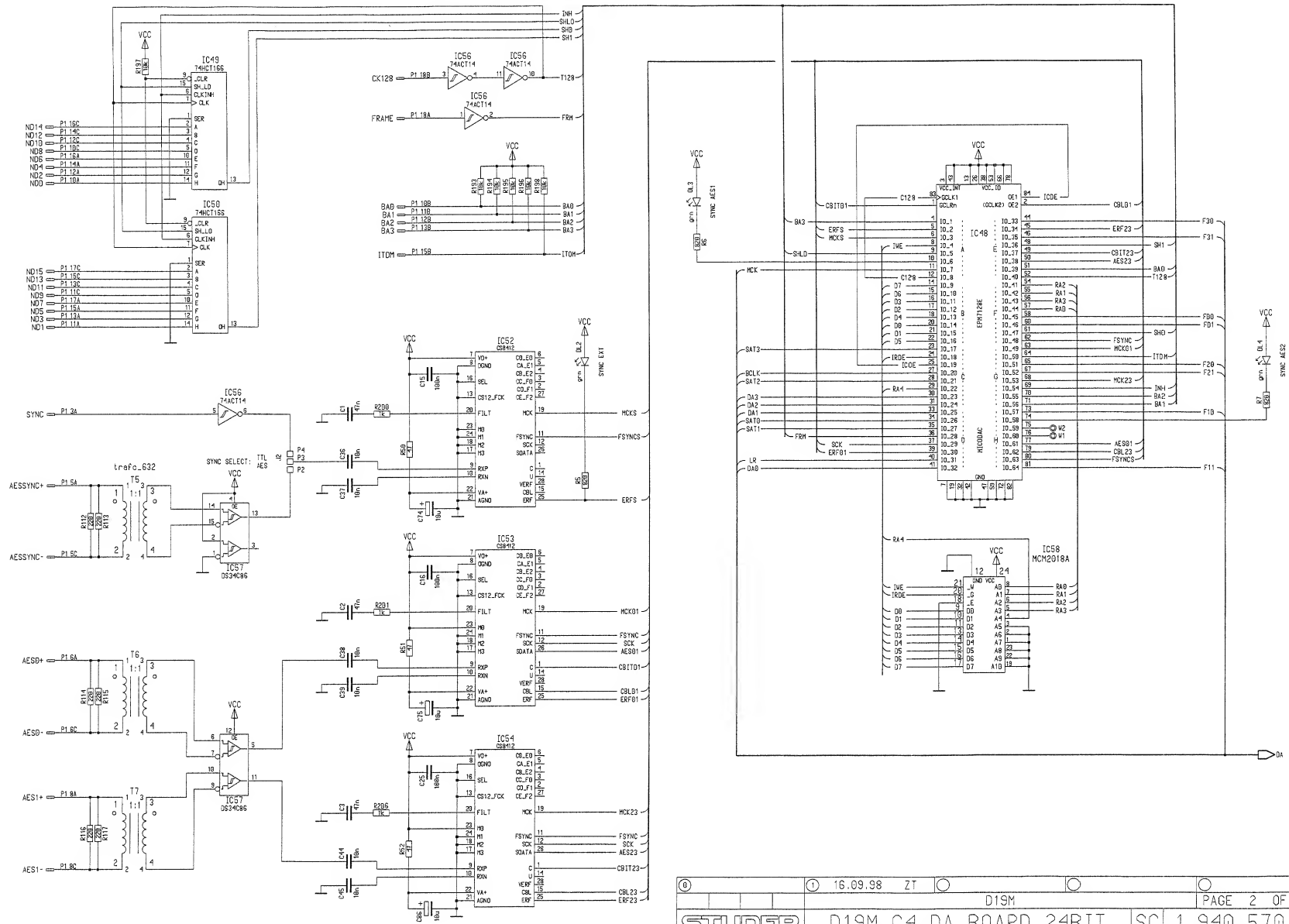


D19m C4 DA Board 24 Bit 1.940.570.21



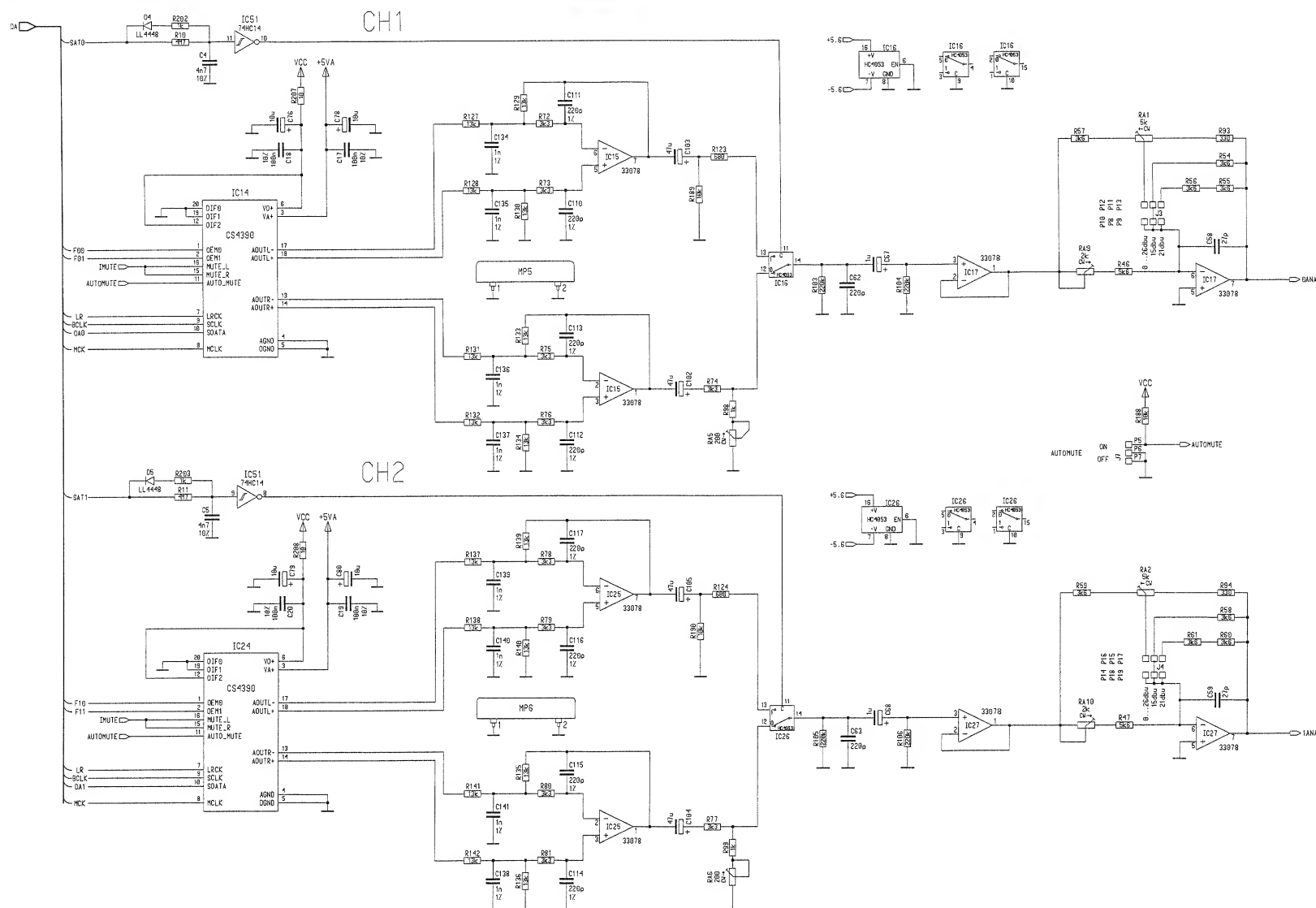


D19m C4 DA Board 24 Bit 1.940.570.21





CH1





D19m C4 DA Board 24 Bit 1.940.570.21

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.60.1473	47n		CER 10%, X7R, 1210	0	C 89	59.22.4002	100uF	EL 16V, 20%, rad RM5	
0	C 2	59.60.1473	47n		CER 10%, X7R, 1210	0	C 90	59.22.4002	100uF	EL 16V, 20%, rad RM5	
0	C 3	59.60.1473	47n		CER 10%, X7R, 1210	0	C 91	59.22.4002	100uF	EL 16V, 20%, rad RM5	
0	C 4	59.60.1472	4n7		CER 10%, X7R, 0805	0	C 92	59.22.4002	100uF	EL 16V, 20%, rad RM5	
0	C 5	59.60.1472	4n7		CER 10%, X7R, 0805	0	C 93	59.22.4002	100uF	EL 16V, 20%, rad RM5	
0	C 6	59.60.1472	4n7		CER 10%, X7R, 0805	0	C 94	59.22.4002	100uF	EL 16V, 20%, rad RM5	
0	C 7	59.60.1472	4n7		CER 10%, X7R, 0805	0	C 95	59.22.4002	100uF	EL 16V, 20%, rad RM5	
0	C 9	59.60.1104	100n		CER 10%, X7R, 1210	0	C 96	59.22.4002	100uF	EL 16V, 20%, rad RM5	
0	C 10	59.60.1104	100n		CER 10%, X7R, 1210	0	C 97	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 11	59.60.1104	100n		CER 10%, X7R, 1210	0	C 98	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 12	59.60.1104	100n		CER 10%, X7R, 1210	0	C 99	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 13	59.60.1104	100n		CER 10%, X7R, 1210	0	C 100	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 14	59.60.1104	100n		CER 10%, X7R, 1210	0	C 101	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 15	59.60.1104	100n		CER 10%, X7R, 1210	0	C 102	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 16	59.60.1104	100n		CER 10%, X7R, 1210	0	C 103	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 17	59.60.1104	100n		CER 10%, X7R, 1210	0	C 104	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 18	59.60.1104	100n		CER 10%, X7R, 1210	0	C 105	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 19	59.60.1104	100n		CER 10%, X7R, 1210	0	C 106	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 20	59.60.1104	100n		CER 10%, X7R, 1210	0	C 107	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 21	59.60.1104	100n		CER 10%, X7R, 1210	0	C 108	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 22	59.60.1104	100n		CER 10%, X7R, 1210	0	C 109	59.22.3470	47u	EL 10V, 20%, rad RM5	
0	C 23	59.60.1104	100n		CER 10%, X7R, 1210	0	C 110	59.05.1221	220p	PP, 1%, 630V	
0	C 24	59.60.1104	100n		CER 10%, X7R, 1210	0	C 111	59.05.1221	220p	PP, 1%, 630V	
0	C 25	59.60.1104	100n		CER 10%, X7R, 1210	0	C 112	59.05.1221	220p	PP, 1%, 630V	
0	C 26	59.60.1104	100n		CER 10%, X7R, 1210	0	C 113	59.05.1221	220p	PP, 1%, 630V	
0	C 27	59.60.1104	100n		CER 10%, X7R, 1210	0	C 114	59.05.1221	220p	PP, 1%, 630V	
0	C 28	59.60.1104	100n		CER 10%, X7R, 1210	0	C 115	59.05.1221	220p	PP, 1%, 630V	
0	C 29	59.60.1104	100n		CER 10%, X7R, 1210	0	C 116	59.05.1221	220p	PP, 1%, 630V	
0	C 30	59.60.1104	100n		CER 10%, X7R, 1210	0	C 117	59.05.1221	220p	PP, 1%, 630V	
0	C 36	59.60.1103	10n		CER 10%, X7R, 0805	0	C 118	59.05.1221	220p	PP, 1%, 630V	
0	C 37	59.60.1103	10n		CER 10%, X7R, 0805	0	C 119	59.05.1221	220p	PP, 1%, 630V	
0	C 38	59.60.1103	10n		CER 10%, X7R, 0805	0	C 120	59.05.1221	220p	PP, 1%, 630V	
0	C 39	59.60.1103	10n		CER 10%, X						



DI9m C4 DA Board 24 Bit I.940.570.21

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN	0	P 1	54.11.2009	1 pce	96p	EU-R 3*32p
0	DL 2	50.04.2202		HLMP1790	DL HLMP - 1790 GN	0	P 2	54.01.0020	1 pce	1p	Pin 0.63*0.63
0	DL 3	50.04.2202		HLMP1790	DL HLMP - 1790 GN	0	P 3	54.01.0020	1 pce	1p	Pin 0.63*0.63
0	DL 4	50.04.2202		HLMP1790	DL HLMP - 1790 GN	0	P 4	54.01.0020	1 pce	1p	Pin 0.63*0.63
0	DV 1	50.60.9026		24V	5%, 0.2W, SOT 23	0	P 5	54.01.0020	1 pce	1p	Pin 0.63*0.63
0	DV 2	50.60.9011		5V6	5%, 0.2W, SOT 23	0	P 6	54.01.0020	1 pce	1p	Pin 0.63*0.63
0	DV 3	50.60.9011		5V6	5%, 0.2W, SOT 23	0	P 7	54.01.0020	1 pce	1p	Pin 0.63*0.63
0	IC 11	50.09.0106		5532AN	IC NE 5532 AN, NE 5532 AN, ,A	0	P 8	54.11.0136	1 pce	2*3p	Pin 0.63*0.63, RM2.54
0	IC 12	50.09.0106		5532AN	IC NE 5532 AN, NE 5532 AN, ,A	0	P 9	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 13	50.61.0204		MC33078	IC MC 33078 P	0	P 10	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 14	50.19.0114		D/A Conv	IC CS 4329-KP,	0	P 11	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 15	50.61.0204		MC33078	IC MC 33078 P	0	P 12	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 16	50.62.8053		HC4053	IC .. 74 HC 4053 . ,A	0	P 13	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 17	50.61.0204		MC33078	IC MC 33078 P	0	P 14	54.11.0136	1 pce	2*3p	Pin 0.63*0.63, RM2.54
0	IC 21	50.09.0106		5532AN	IC NE 5532 AN, NE 5532 AN, ,A	0	P 15	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 22	50.09.0106		5532AN	IC NE 5532 AN, NE 5532 AN, ,A	0	P 16	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 23	50.61.0204		MC33078	IC MC 33078 P	0	P 17	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 24	50.19.0114		D/A Conv	IC CS 4329-KP,	0	P 18	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 25	50.61.0204		MC33078	IC MC 33078 P	0	P 19	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 26	50.62.8053		HC4053	IC .. 74 HC 4053 . ,A	0	P 20	54.11.0136	1 pce	2*3p	Pin 0.63*0.63, RM2.54
0	IC 27	50.61.0204		MC33078	IC MC 33078 P	0	P 21	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 31	50.09.0106		5532AN	IC NE 5532 AN, NE 5532 AN, ,A	0	P 22	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 32	50.09.0106		5532AN	IC NE 5532 AN, NE 5532 AN, ,A	0	P 23	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 33	50.61.0204		MC33078	IC MC 33078 P	0	P 24	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 34	50.19.0114		D/A Conv	IC CS 4329-KP,	0	P 25	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 35	50.61.0204		MC33078	IC MC 33078 P	0	P 26	54.11.0136	1 pce	2*3p	Pin 0.63*0.63, RM2.54
0	IC 36	50.62.8053		HC4053	IC .. 74 HC 4053 . ,A	0	P 27	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 37	50.61.0204		MC33078	IC MC 33078 P	0	P 28	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 41	50.09.0106		5532AN	IC NE 5532 AN, NE 5532 AN, ,A	0	P 29	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 42	50.09.0106		5532AN	IC NE 5532 AN, NE 5532 AN, ,A	0	P 30	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 43	50.61.0204		MC33078	IC MC 33078 P	0	P 31	54.01.0020	0 pce	1p	Pin 0.63*0.63
0	IC 44	50.19.0114		D/A Conv	IC CS 4329-KP,	0	Q 1	50.60.1001		BC857B	PNP 45V 100mA SOT 23
0	IC 45	50.61.0204		MC33078	IC MC 33078 P	0	Q 2	50.60.1001		BC857B	PNP 45V 100mA SOT 23
0	IC 46	50.62.8053		HC4053	IC .. 74 HC 4053 . ,A	0	Q 3	50.60.0001		BC847B	NPN 45V 100mA SOT 23
0	IC 47	50.61.0204		MC33078	IC MC 33078 P	0	R 1	57.92.7053		1.6A	POLY- PTC, 30V
0	IC 48	1.940.970.20		SW 570 MICODAC (50.63.4205)		0	R 2	57.92.7019		0.4A	POLY- PTC, 60V
0	IC 49	50.62.3166		74HCT166	.. 74 HCT 166 .	0	R 3	57.92.7019		0.4A	POLY- PTC, 60V
0	IC 50	50.62.3166		74HCT166	.. 74 HCT 166 .	0	R 4	57.60.1821		820R	MF, 1%, 0204, E24
0	IC 51	50.62.1014		74HC 14	IC .. 74 HC 14 . ,A	0	R 5	57.60.1821		820R	MF, 1%, 0204, E24
0	IC 52	50.62.0913		CS8412	AES-Receiver	0	R 6	57.60.1821		820R	MF, 1%, 0204, E24
0	IC 53	50.62.0913		CS8412	AES-Receiver	0	R 7	57.60.1821		820R	MF, 1%, 0204, E24
0	IC 54	50.62.0913		CS8412	AES-Receiver	0	R 8	57.60.1683		68K	MF, 1%, 0204, E24
0	IC 55	50.61.9001		IC LM 393 D, LM 393		0	R 9	57.60.1562		5K6	MF, 1%, 0204, E24
0	IC 56	50.17.7014		ACT14	.. 74 ACT 14 .	0	R 10	57.60.1475		4M7	MF, 1%, 0204, E24
0	IC 57	50.15.0128		34C86	IC DS 34 C 86 TN, MC34C86P ,A	0	R 11	57.60.1475		4M7	MF, 1%, 0204, E24
0	IC 58	50.14.1009		CY7C128-35	IC MCM 2018 A - 35 ,A	0	R 12	57.60.1475		4M7	MF, 1%, 0204, E24
0	IC 59	50.10.0104		LM317SP	IC LM 317 SP, ..T,	0	R 13	57.60.1472		4K7	MF, 1%, 0204, E24
0	J 2	54.01.0021		Jumper	0.63 * 0.63mm	0	R 14	57.60.1472		4K7	MF, 1%, 0204, E24
0	J 3	54.01.0021		Jumper	0.63 * 0.63mm	0	R 15	57.60.1472		4K7	MF, 1%, 0204, E24
0	J 4	54.01.0021		Jumper	0.63 * 0.63mm	0	R 16	57.60.1472		4K7	MF, 1%, 0204, E24
0	J 5	54.01.0021		Jumper	0.63 * 0.63mm	0	R 17	57.60.1472		4K7	MF, 1%, 0204, E24
0	J 6	54.01.0021		Jumper	0.63 * 0.63mm	0	R 18	57.60.1472		4K7	MF, 1%, 0204, E24
0	J 7	54.01.0021		Jumper	0.63 * 0.63mm	0	R 19	57.60.1472		4K7	MF, 1%, 0204, E24
0	K 1	56.04.0197		2u	24V, 125V/2A, AG/AU	0	R 20	57.60.1472		4K7	MF, 1%, 0204, E24
0	K 2	56.04.0197		2u	24V, 125V/2A, AG/AU	0	R 21	57.60.1472		4K7	MF, 1%, 0204, E24
0	L 1	62.03.0010		48uH	L 48 U , 2 A, FILTER	0	R 22	57.60.1472		4K7	MF, 1%, 0204, E24
0	L 2	62.03.0010		48uH	L 48 U , 2 A, FILTER	0	R 23	57.60.1472		4K7	MF, 1%, 0204, E24
1	MP 1	1.940.570.12			D19M C4 DA BOARD PCB	0	R 24	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 2	1.940.570.04			TYPE NSCHILD	0	R 25	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 3	43.01.0108		Label	ESE-WARNSCHILD	0	R 26	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 4	1.101.001.20		Label	TEXT-ETIK. 5*20 HARDWARE -20	0	R 27	57.60.1472		4K7	MF, 1%, 0204, E24
1	MP 5	1.940.570.02			Abschirmblech	0	R 28	57.60.1472		4K7	MF, 1%, 0204, E24
1	MP 6	1.940.570.02			Abschirmblech	0	R 29	57.60.1472		4K7	MF, 1%, 0204, E24
1	MP 7	1.940.570.02			Abschirmblech	0	R 30	57.60.1472		4K7	MF, 1%, 0204, E24
1	MP 8	1.940.570.02			Abschirmblech	0	R 31	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 10	1.940.570.01	1 pce		FRONTPLATTE	0	R 32	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE	0	R 33	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)	0	R 34	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)	0	R 35	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 14	49.02.0522	2 pcs		Kartenhalter (Rack)	0	R 36	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 15	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp	0	R 37	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff	0	R 38	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 17	21.53.0279	2 pcs		Z - SCHR. IS , ZN , M2.5 * 6	0	R 39	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 18	21.53.0284	1 pce		Z - SCHR. IS , ZN , M2.5 * 16	1	R 40	57.60.1472		4K7	MF, 1%, 0204, E24
0	MP 19	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9	1	R 41	57.60.1562		5K6	MF, 1%, 0204, E24
							R 42	57.60.1562		5K6	MF, 1%, 0204, E24
							R 43	57.60.1562		5K6	MF, 1%, 0204, E24
							R 44	57.60.1562		5K6	MF, 1%, 0204, E24
							R 45	57.60.1562		5K6	MF, 1%, 0204, E24
							R 46	57.60.1562		5K6	MF, 1%, 0204, E24
							R 47	57.60.1562		5K6	MF, 1%, 0204, E24



D19m C4 DA Board 24 Bit 1.940.570.21

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
1	R 48	57.60.1562	5K6	MF, 1%, 0204, E24		0	R 129	57.60.1133	13K	MF, 1%, 0204, E24	
1	R 49	57.60.1562	5K6	MF, 1%, 0204, E24		0	R 130	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 50	57.60.1470	47R	MF, 1%, 0204, E24		0	R 131	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 51	57.60.1470	47R	MF, 1%, 0204, E24		0	R 132	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 52	57.60.1470	47R	MF, 1%, 0204, E24		0	R 133	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 53	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 134	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 54	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 135	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 55	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 136	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 56	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 137	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 57	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 138	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 58	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 139	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 59	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 140	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 60	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 141	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 61	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 142	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 62	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 143	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 63	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 144	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 64	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 145	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 65	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 146	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 66	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 147	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 67	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 148	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 68	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 149	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 69	57.60.1362	3K6	MF, 1%, 0204, E24		0	R 150	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 70	57.60.1332	3K3	MF, 1%, 0204, E24		0	R 151	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 71	57.60.1332	3K3	MF, 1%, 0204, E24		0	R 152	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 72	57.60.1332	3K3	MF, 1%, 0204, E24		0	R 153	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 73	57.60.1332	3K3	MF, 1%, 0204, E24		0	R 154	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 74	57.60.1332	3K3	MF, 1%, 0204, E24		0	R 155	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 75	57.60.1332	3K3	MF, 1%, 0204, E24		0	R 156	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 76	57.60.1332	3K3	MF, 1%, 0204, E24		0	R 157	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 77	57.60.1332	3K3	MF, 1%, 0204, E24		0	R 158	57.60.1133	13K	MF, 1%, 0204, E24	
0	R 78	57.60.1332	3K3	MF, 1%, 0204, E24		0	R 159	57.60.1131	130R	MF, 1%, 0204, E24	
0	R 79	57.60.1332	3K3	MF, 1%, 0204, E24		0	R 160	57.60.1131			



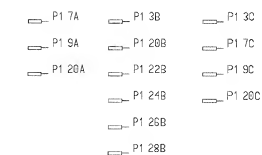
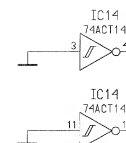
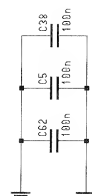
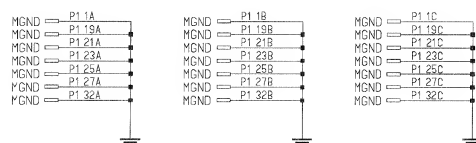
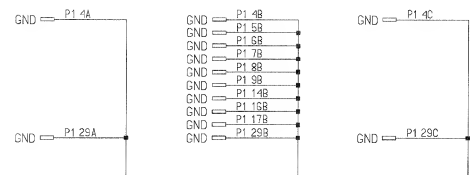
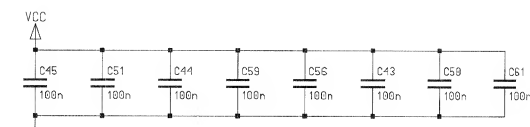
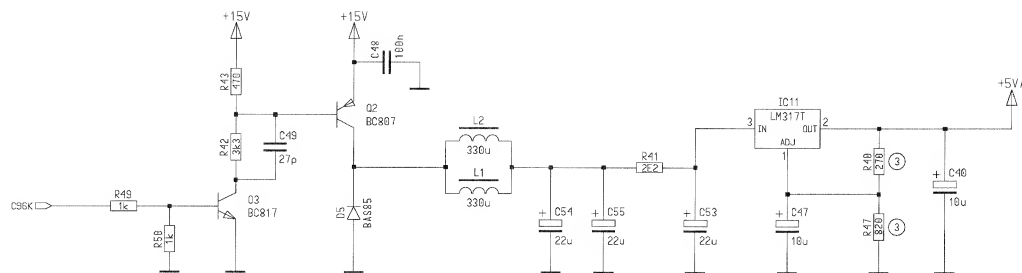
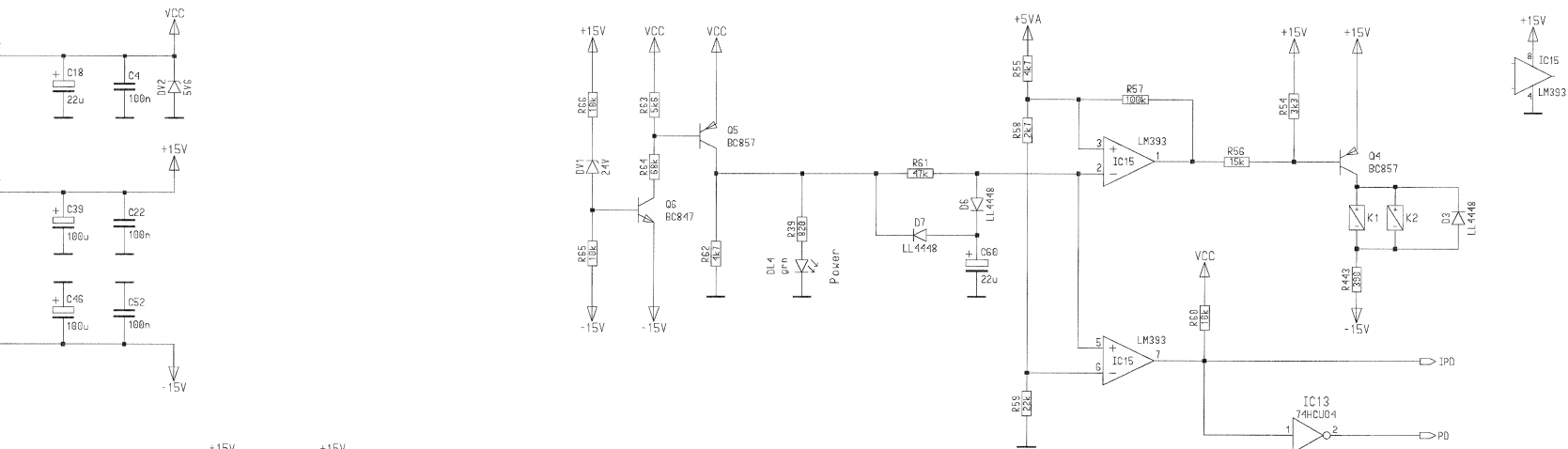
D19m C4 DA Board 24 Bit I.940.570.21

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 210	57.60.1100		10R	MF, 1%, 0204, E24
0	R 211	57.60.1103		10K	MF, 1%, 0204, E24
0	RA 1	58.05.1502		5k	10%, 0.5W, Cermet
0	RA 2	58.05.1502		5k	10%, 0.5W, Cermet
0	RA 3	58.05.1502		5k	10%, 0.5W, Cermet
0	RA 4	58.05.1502		5k	10%, 0.5W, Cermet
0	RA 5	58.05.1201		200R	10%, 0.5W, Cermet
0	RA 6	58.05.1201		200R	10%, 0.5W, Cermet
0	RA 7	58.05.1201		200R	10%, 0.5W, Cermet
0	RA 8	58.05.1201		200R	10%, 0.5W, Cermet
0	RA 9	58.05.1202		2k	10%, 0.5W, Cermet
0	RA 10	58.05.1202		2k	10%, 0.5W, Cermet
0	RA 11	58.05.1202		2k	10%, 0.5W, Cermet
0	RA 12	58.05.1202		2k	10%, 0.5W, Cermet
0	T 1	1.022.275.00			TRIFILARTRAFO OUTPUT
0	T 2	1.022.275.00			TRIFILARTRAFO OUTPUT
0	T 3	1.022.275.00			TRIFILARTRAFO OUTPUT
0	T 4	1.022.275.00			TRIFILARTRAFO OUTPUT
0	T 5	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 6	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 7	1.022.632.00		1:1	DI/DO TRANSFORMER
0	TP 1	54.02.0320		1p	Flatpin, 2.8*0.8mm
0	XDL 1	50.20.2501		Spacer	LED-Sockel
0	XDL 2	50.20.2501		Spacer	LED-Sockel
0	XDL 3	50.20.2501		Spacer	LED-Sockel
0	XDL 4	50.20.2501		Spacer	LED-Sockel
0	XIC 11	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 12	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 21	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 22	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 31	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 32	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 41	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 42	53.03.0166		8p	DIL 0.3", löt, gerade
0	XIC 48	53.03.2284		XIC PLCC84	XIC PLCC 84 PIN

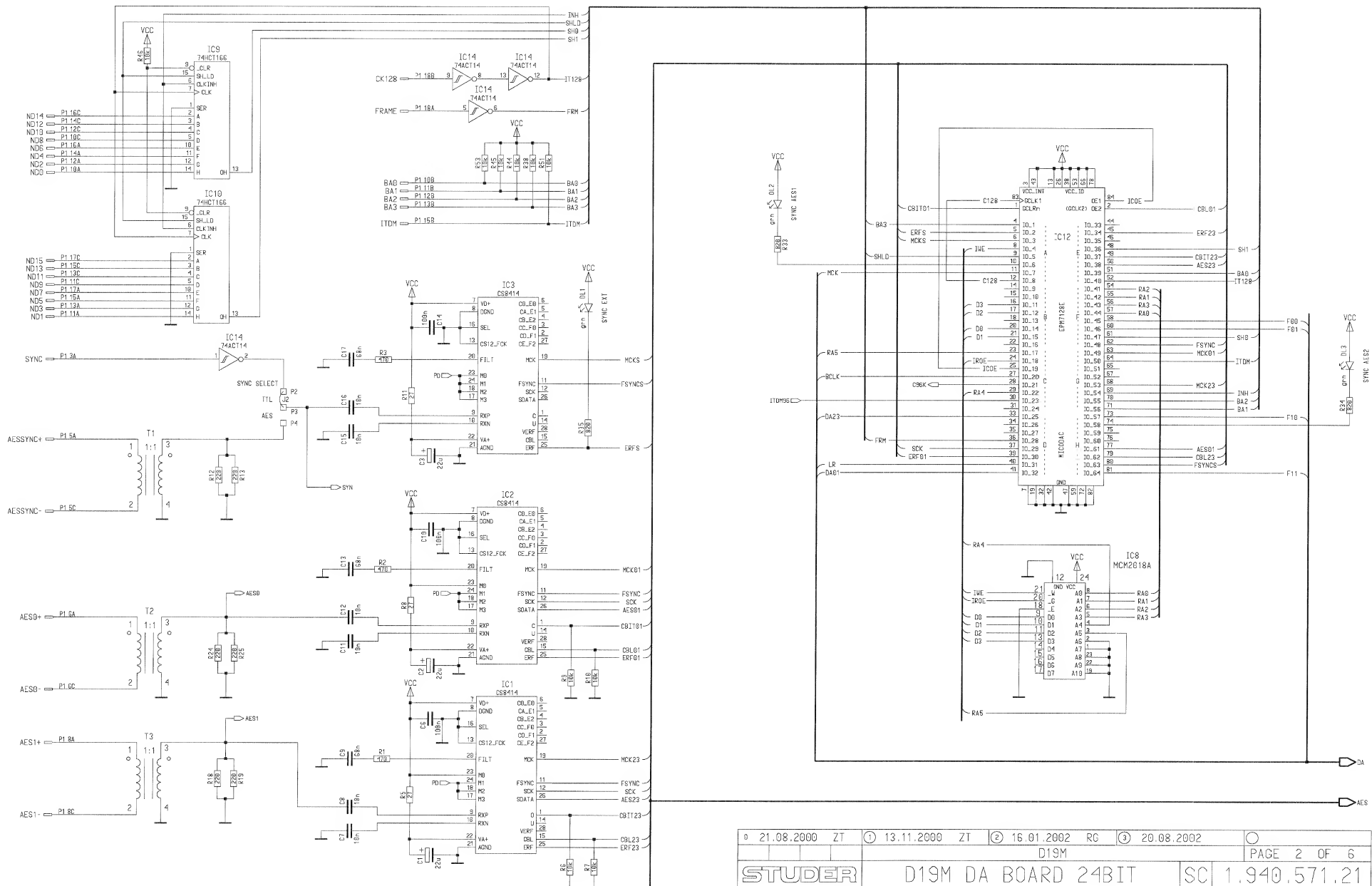
End of List

Comments

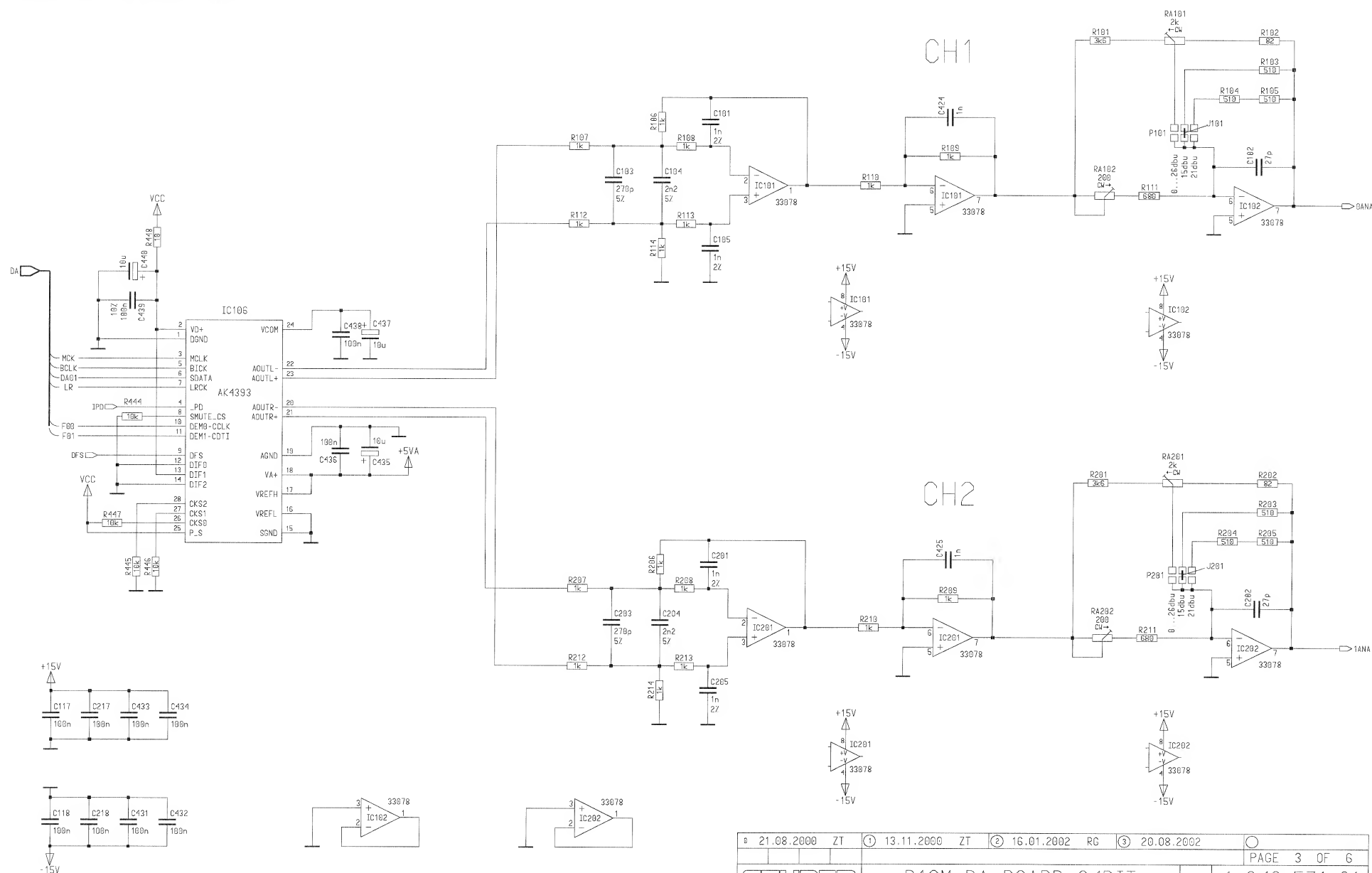
Wertanpassung von R46,R47,R48 und R49



C4DA/24/96, 24 Bit D/A 1.940.571.21 (3)

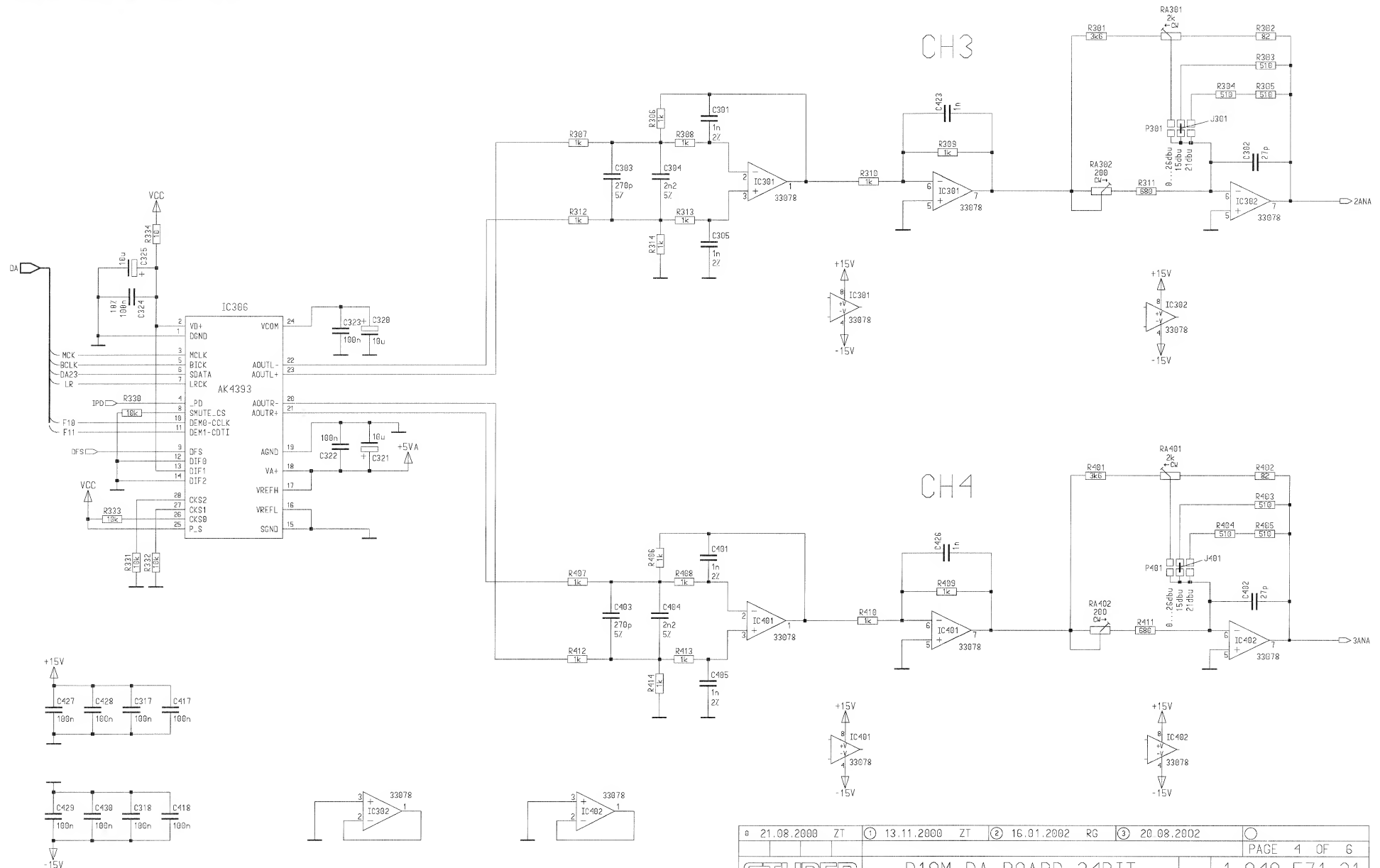


C4DA/24/96, 24 Bit D/A 1.940.571.21 (3)

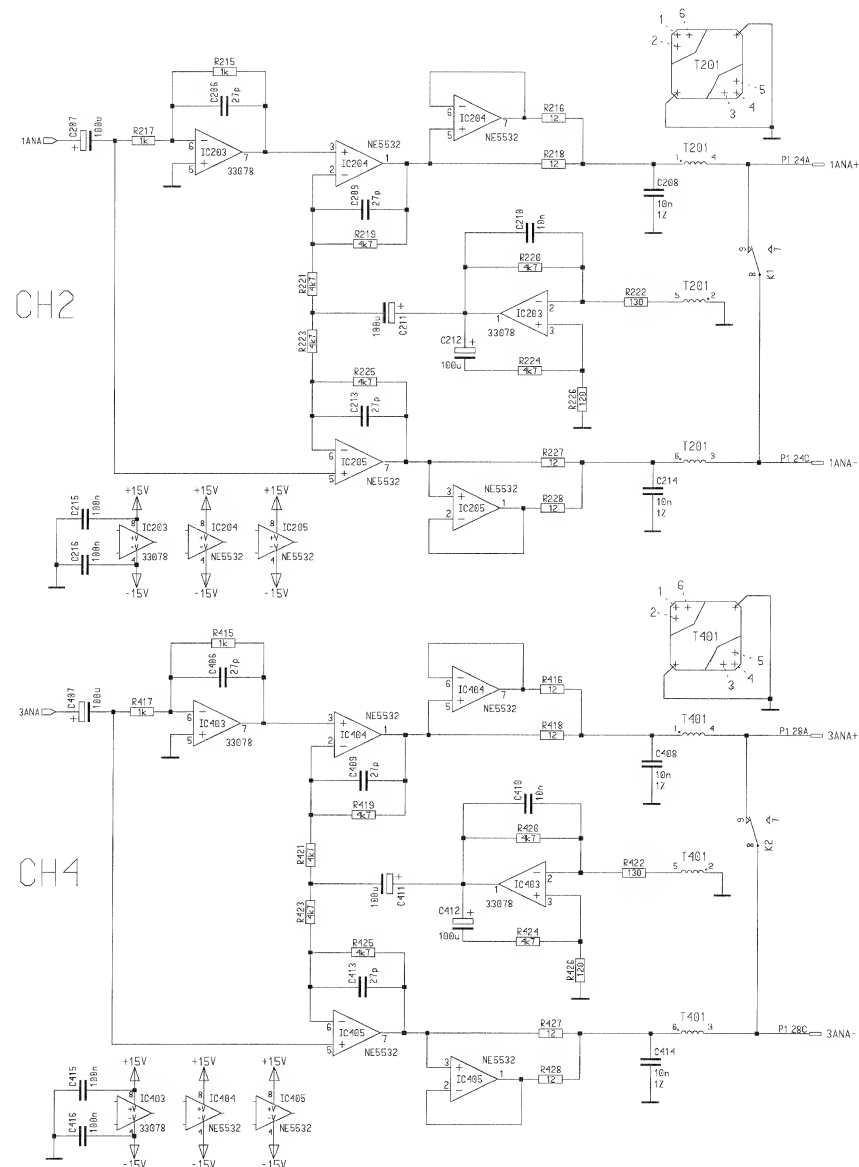
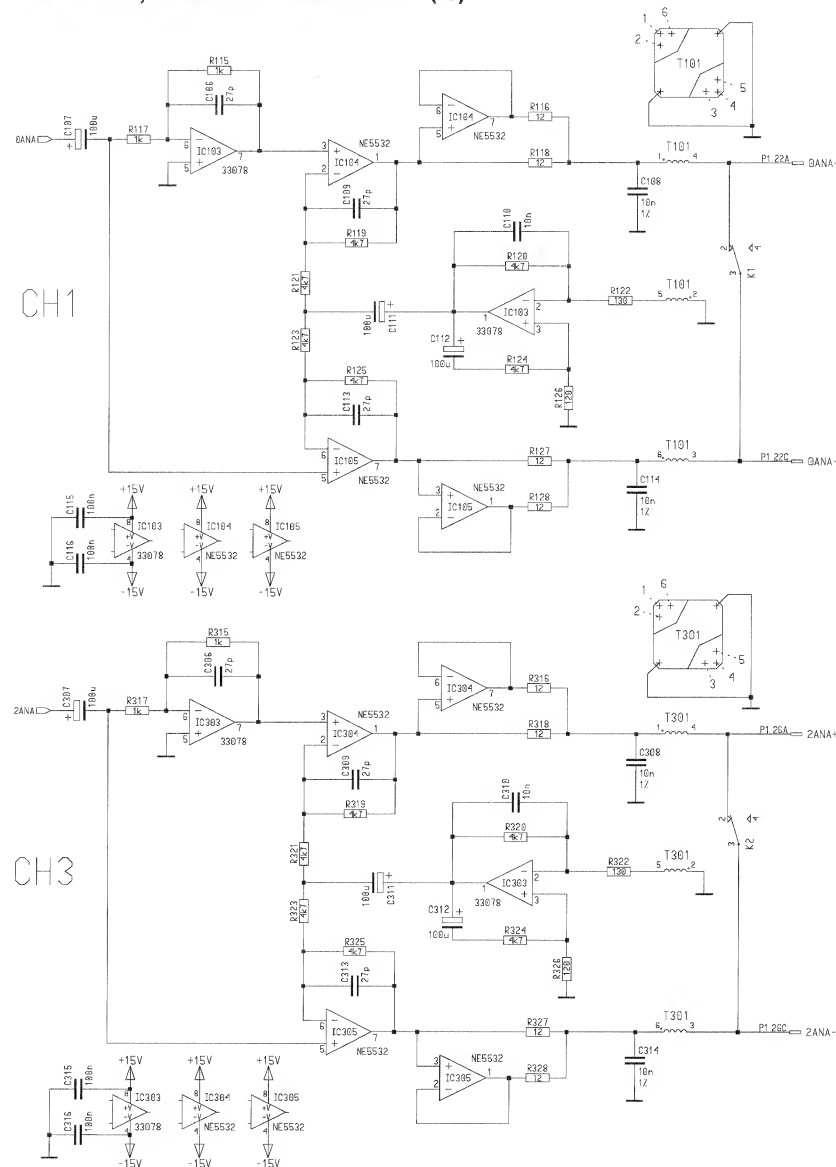


21.08.2000	ZT	13.11.2000	ZT	16.01.2002	RC	20.08.2002	
STUDER							PAGE 3 OF 6
D19M DA BOARD 24BIT							1.940.571.21

C4DA/24/96, 24 Bit D/A 1.940.571.21 (3)



C4DA/24/96, 24 Bit D/A 1.940.571.21 (3)

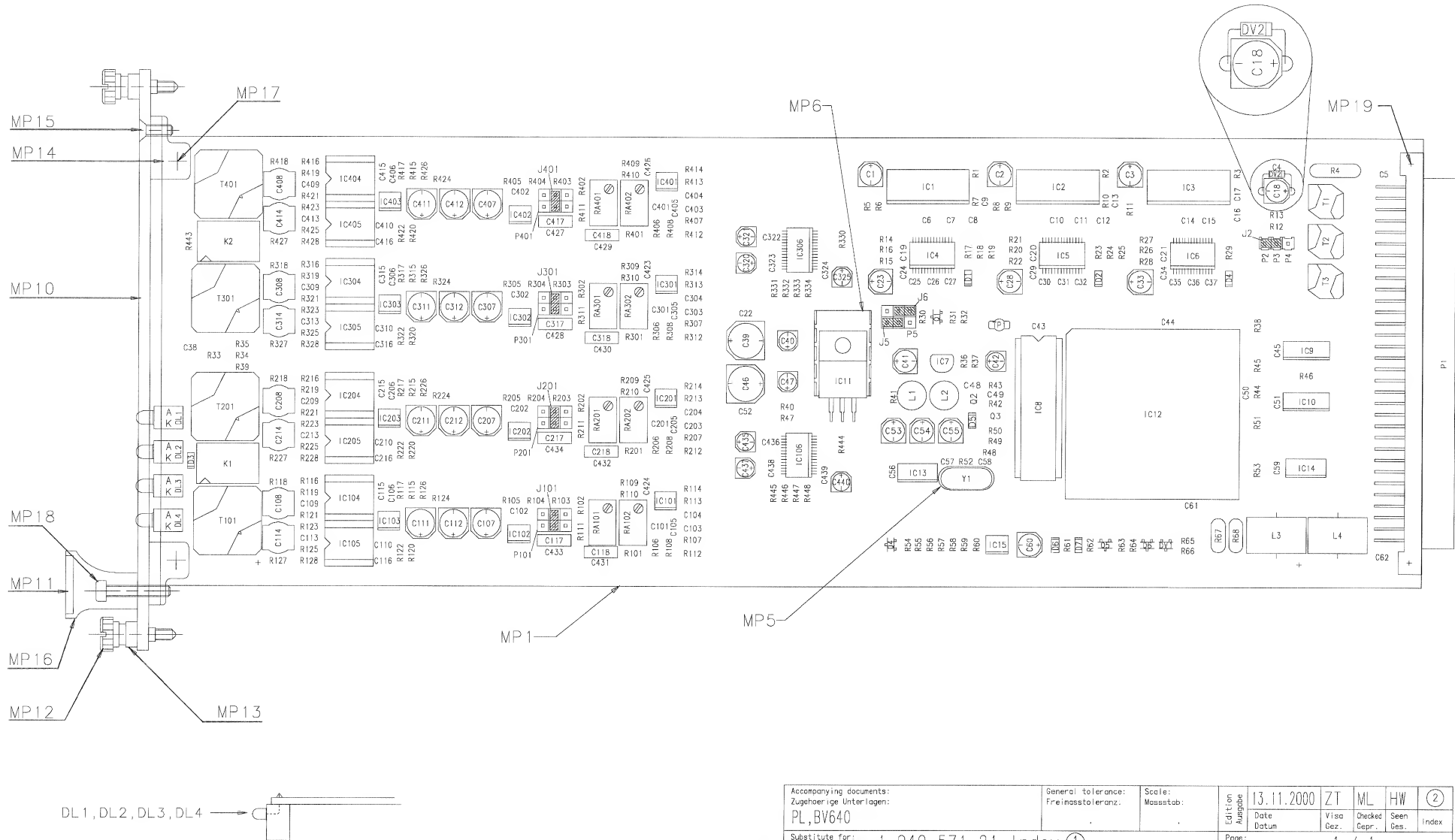


0	21.08.2000	ZT	①	13.11.2000	ZT	②	16.01.2002	RG	③	20.08.2002	
										PAGE 5 OF 6	
STUDER		D19M DA BOARD 24BIT								1.940.571.21	

Date printed: 01.10.02



C4DA/24/96, 24 Bit D/A 1.940.571.21 (2)



Accompanying documents: Zugehörige Unterlagen: PL, BV640		General tolerance: Feinastoleranz:		Scale: Maßstab:		Edition Ausgabe		13.11.2000 ZT ML HW ②	
Substitute for: Ersatz fuer:		1.940.571.21 Index ①		Page: Seite:		Date Datum		1 / 1	
STUDER REGENSDORF		Description: Benennung:		D19M DA BOARD 24BIT, ESE		Number: Number:		1.940.571.21	

C4DA/24/96, 24 Bit D/A 1.940.571.21 (4)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.68.0067	1 pce	22u	EL 16V, 5.0*5.7	0 C 208	59.05.1103	1 pce	10n	PP, 1%, 63V
0 C 2	59.68.0067	1 pce	22u	EL 16V, 5.0*5.7	0 C 209	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603
0 C 3	59.68.0067	1 pce	22u	EL 16V, 5.0*5.7	0 C 210	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 4	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 211	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7
0 C 5	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 212	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7
0 C 6	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 213	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603
0 C 7	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805	0 C 214	59.05.1103	1 pce	10n	PP, 1%, 63V
0 C 8	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805	0 C 215	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 9	59.60.3335	1 pce	68n	CER 50V, 10%, X7R, 0805	0 C 216	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 10	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 217	not used	1 pce	100n	PETP, 63V, 10%, RM5
0 C 11	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805	0 C 218	not used	1 pce	100n	PETP, 63V, 10%, RM5
0 C 12	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805	0 C 301	59.63.1113	1 pce	1n0	PPS 50V, 2%, 0805
0 C 13	59.60.3335	1 pce	68n	CER 50V, 10%, X7R, 0805	0 C 302	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603
0 C 14	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 303	59.60.2359	1 pce	270p	CER 50V, 5%, COG, 0805
0 C 15	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805	0 C 304	59.63.0105	1 pce	2n2	PEN 50V, 5%, 1206
0 C 16	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805	0 C 305	59.63.1113	1 pce	1n0	PPS 50V, 2%, 0805
0 C 17	59.60.3335	1 pce	68n	CER 50V, 10%, X7R, 0805	0 C 306	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603
0 C 18	59.68.0067	1 pce	22u	EL 16V, 5.0*5.7	0 C 307	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7
0 C 19	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 308	59.05.1103	1 pce	10n	PP, 1%, 63V
0 C 20	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 309	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603
0 C 21	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 310	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 22	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 311	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7
0 C 23	not used	1 pce	22u	EL 16V, 5.0*5.7	0 C 312	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7
0 C 24	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 313	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603
0 C 25	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 314	59.05.1103	1 pce	10n	PP, 1%, 63V
0 C 26	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 315	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 27	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 316	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 28	not used	1 pce	22u	EL 16V, 5.0*5.7	0 C 317	not used	1 pce	100n	PETP, 63V, 10%, RM5
0 C 29	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 318	not used	1 pce	100n	PETP, 63V, 10%, RM5
0 C 30	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 320	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7
0 C 31	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 321	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7
0 C 32	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 322	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 33	not used	1 pce	22u	EL 16V, 5.0*5.7	0 C 323	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 34	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 324	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 35	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 325	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7
0 C 36	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 401	59.63.1113	1 pce	1n0	PPS 50V, 2%, 0805
0 C 37	not used	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 402	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603
0 C 38	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 403	59.60.2359	1 pce	270p	CER 50V, 5%, COG, 0805
0 C 39	59.68.0115	1 pce	100u	EL 35V, 8.0*10.7	0 C 404	59.63.0105	1 pce	2n2	PEN 50V, 5%, 1206
0 C 40	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 C 405	59.63.1113	1 pce	1n0	PPS 50V, 2%, 0805
0 C 41	not used	1 pce	22u	EL 16V, 5.0*5.7	0 C 406	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603
0 C 42	not used	1 pce	10u	EL 16V, 4.0*5.7	0 C 407	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7
0 C 43	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 408	59.05.1103	1 pce	10n	PP, 1%, 63V
0 C 44	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 409	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603
0 C 45	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 410	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 46	59.68.0115	1 pce	100u	EL 35V, 8.0*10.7	0 C 411	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7
0 C 47	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7	0 C 412	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7
0 C 48	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 413	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603
0 C 49	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603	0 C 414	59.05.1103	1 pce	10n	PP, 1%, 63V
0 C 50	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 415	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 51	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 416	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 52	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 417	not used	1 pce	100n	PETP, 63V, 10%, RM5
0 C 53	59.68.0067	1 pce	22u	EL 16V, 5.0*5.7	0 C 418	not used	1 pce	100n	PETP, 63V, 10%, RM5
0 C 54	59.68.0067	1 pce	22u	EL 16V, 5.0*5.7	0 C 423	59.60.2373	1 pce	1n0	CER 50V, 5%, COG, 0805
0 C 55	59.68.0067	1 pce	22u	EL 16V, 5.0*5.7	0 C 424	59.60.2373	1 pce	1n0	CER 50V, 5%, COG, 0805
0 C 56	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 425	59.60.2373	1 pce	1n0	CER 50V, 5%, COG, 0805
0 C 57	not used	1 pce	33p	CER 50V, 5%, COG, 0603	0 C 426	59.60.2373	1 pce	1n0	CER 50V, 5%, COG, 0805
0 C 58	not used	1 pce	33p	CER 50V, 5%, COG, 0603	0 C 427	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 59	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 428	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 60	59.68.0067	1 pce	22u	EL 16V, 5.0*5.7	0 C 429	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 61	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 430	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 62	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 C 431	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 101	59.63.1113	1 pce	1n0	PPS 50V, 2%, 0805	0 C 432	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 102	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603	0 C 433	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 103	59.60.2359	1 pce	270p	CER 50V, 5%, COG, 0805	0 C 434	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 104	59.63.0105	1 pce	2n2	PEN 50V, 5%, 1206	0 C 435	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7
0 C 105	59.63.1113	1 pce	1n0	PPS 50V, 2%, 0805	0 C 436	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 106	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603	0 C 437	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7
0 C 107	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7	0 C 438	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 108	59.05.1103	1 pce	10n	PP, 1%, 63V	0 C 439	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 109	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603	0 C 440	59.68.0065	1 pce	10u	EL 16V, 4.0*5.7
0 C 110	59.60.3325	1 pce	10n	CER 50V, 10%, X7R, 0805	0 D 1	not used	1 pce	4448	200mA 75V 4ns SOD 80
0 C 111	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7	0 D 2	not used	1 pce	4448	200mA 75V 4ns SOD 80
0 C 112	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7	0 D 3	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 C 113	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603	0 D 4	not used	1 pce	4448	200mA 75V 4ns SOD 80
0 C 114	59.05.1103	1 pce	10n	PP, 1%, 63V	0 D 5	50.60.8101	1 pce	BAS85	200mA 30V Schottky SOD 80
0 C 115	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 D 6	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 C 116	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805	0 D 7	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 C 117	not used	1 pce	100n	PETP, 63V, 10%, RM5	0 DL 1	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN
0 C 118	not used	1 pce	100n	PETP, 63V, 10%, RM5	0 DL 2	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN
0 C 201	59.63.1113	1 pce	1n0	PPS 50V, 2%, 0805	0 DL 3	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN
0 C 202	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603	0 DL 4	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN
0 C 203	59.60.2359	1 pce	270p	CER 50V, 5%, COG, 0805	0 DV 1	50.60.9026	1 pce	24V	5%, 0.2W, SOT 23
0 C 204	59.63.0105	1 pce	2n2	PEN 50V, 5%, 1206	2 DV 2	50.04.1108	1 pce	5V6	Zener, 5%, 0.5W, DO-35
0 C 205	59.63.1113	1 pce	1n0	PPS 50V, 2%, 0805	0 IC 1	50.62.0915	1 pce	CS8414	Digital Audio Receiver 96kHz
0 C 206	59.60.2235	1 pce	27p	CER 50V, 5%, COG, 0603	0 IC 2	50.62.0915	1 pce	CS8414	Digital Audio Receiver 96kHz
0 C 207	59.68.0029	1 pce	100u	EL 6V, 6.3*5.7	0 IC 3	50.62.0915	1 pce	CS8414	Digital Audio Receiver 96kHz

C4DA/24/96, 24 Bit D/A 1.940.571.21 (4)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 IC 4	not used	not used	not used	not used	0 R 8	57.60.1270 1 pce	27R		MF, 1%, 0204, E24
0 IC 5	not used	not used	not used	not used	0 R 9	57.60.1103 1 pce	10K		MF, 1%, 0204, E24
0 IC 6	not used	not used	not used	not used	0 R 10	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 IC 7	not used 1 pce	LM317L		Series regulator 100mA ...+37V	0 R 11	57.60.1270 1 pce	27R		MF, 1%, 0204, E24
0 IC 8	50.14.1009 1 pce	7C128A		SRAM 2K*8 35ns	0 R 12	57.60.1221 1 pce	220R		MF, 1%, 0204, E24
0 IC 9	50.62.3166 1 pce	74HCT166		8bit parallel in/serial out	0 R 13	57.60.1221 1 pce	220R		MF, 1%, 0204, E24
0 IC 10	50.62.3166 1 pce	74HCT166		8bit parallel in/serial out	0 R 14	not used 1 pce	10k		MF, 1%, 0204, E24
0 IC 11	50.10.0104 1 pce	LM317SP		Series regulator 1.5A ...+37V	0 R 15	not used 1 pce	22R		MF, 1%, 0204, E24
0 IC 12	1.940.971.20 1 pce			SW 571 SICODAC (50.63.4205)	0 R 16	not used 1 pce	18k		MF, 1%, 0204, E24
0 IC 13	50.62.1904 1 pce	74HCU04		Hex inverter unbuffered	0 R 17	not used 1 pce	10k		MF, 1%, 0204, E24
0 IC 14	50.62.8014 1 pce	74ACT 14		Hex inverting Schmitt trigger	0 R 18	57.60.1221 1 pce	220R		MF, 1%, 0204, E24
0 IC 15	50.61.9001 1 pce	LM393		Dual voltage comp. SO 8	0 R 19	57.60.1221 1 pce	220R		MF, 1%, 0204, E24
0 IC 101	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 20	not used 1 pce	18k		MF, 1%, 0204, E24
0 IC 102	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 21	not used 1 pce	10k		MF, 1%, 0204, E24
0 IC 103	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 22	not used 1 pce	22R		MF, 1%, 0204, E24
0 IC 104	50.09.0106 1 pce	5532A		Dual Op-Amp, low noise	0 R 23	not used 1 pce	10k		MF, 1%, 0204, E24
0 IC 105	50.09.0106 1 pce	5532A		Dual Op-Amp, low noise	0 R 24	57.60.1221 1 pce	220R		MF, 1%, 0204, E24
0 IC 106	50.61.8005 1 pce	AK4393		D/A Converter 24bit DS SOP28	0 R 25	57.60.1221 1 pce	220R		MF, 1%, 0204, E24
0 IC 201	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 26	not used 1 pce	18k		MF, 1%, 0204, E24
0 IC 202	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 27	not used 1 pce	10k		MF, 1%, 0204, E24
0 IC 203	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 28	not used 1 pce	22R		MF, 1%, 0204, E24
0 IC 204	50.09.0106 1 pce	5532A		Dual Op-Amp, low noise	0 R 29	not used 1 pce	10k		MF, 1%, 0204, E24
0 IC 205	50.09.0106 1 pce	5532A		Dual Op-Amp, low noise	0 R 30	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 IC 301	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 31	not used 1 pce	10k		MF, 1%, 0204, E24
0 IC 302	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 32	not used 1 pce	10k		MF, 1%, 0204, E24
0 IC 303	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 33	57.60.1821 1 pce	820R		MF, 1%, 0204, E24
0 IC 304	50.09.0106 1 pce	5532A		Dual Op-Amp, low noise	0 R 34	57.60.1821 1 pce	820R		MF, 1%, 0204, E24
0 IC 305	50.09.0106 1 pce	5532A		Dual Op-Amp, low noise	0 R 35	57.60.1821 1 pce	820R		MF, 1%, 0204, E24
0 IC 306	50.61.8005 1 pce	AK4393		D/A Converter 24bit DS SOP28	0 R 36	not used 1 pce	240R		MF, 1%, 0204, E24
0 IC 401	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 37	not used 1 pce	390R		MF, 1%, 0204, E24
0 IC 402	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 38	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 IC 403	50.61.0204 1 pce	MC33078		Dual Op-Amp low noise	0 R 39	57.60.1821 1 pce	820R		MF, 1%, 0204, E24
0 IC 404	50.09.0106 1 pce	5532A		Dual Op-Amp, low noise	4 R 40	57.60.1271 1 pce	270R		MF, 1%, 0204, E24
0 IC 405	50.09.0106 1 pce	5532A		Dual Op-Amp, low noise	0 R 41	57.60.1229 1 pce	2R2		MF, 1%, 0204, E24
0 J 2	54.01.0021 1 pce	Jumper		0.63*0.63mm, Au	0 R 42	57.60.1332 1 pce	3k3		MF, 1%, 0204, E24
0 J 5	54.01.0021 1 pce	Jumper		0.63*0.63mm, Au	0 R 43	57.60.1471 1 pce	470R		MF, 1%, 0204, E24
0 J 6	54.01.0021 1 pce	Jumper		0.63*0.63mm, Au	0 R 44	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 J 101	54.01.0021 1 pce	Jumper		0.63*0.63mm, Au	0 R 45	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 J 201	54.01.0021 1 pce	Jumper		0.63*0.63mm, Au	0 R 46	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 J 301	54.01.0021 1 pce	Jumper		0.63*0.63mm, Au	4 R 47	57.60.1821 1 pce	820R		MF, 1%, 0204, E24
0 J 401	54.01.0021 1 pce	Jumper		0.63*0.63mm, Au	0 R 48	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 K 1	56.04.0197 1 pce	2*u		24V 125V 2A Ag/Au	3 R 49	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 K 2	56.04.0197 1 pce	2*u		24V 125V 2A Ag/Au	0 R 50	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 L 1	62.02.3331 1 pce	330uH		10%, radial RM 5	0 R 51	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 L 2	62.02.3331 1 pce	330uH		10%, radial RM 5	0 R 52	not used 1 pce	1M		MF, 1%, 0204, E24
0 L 3	62.03.0010 1 pce	48uH		2A Toroid Chocke	0 R 53	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 L 4	62.03.0010 1 pce	48uH		2A Toroid Chocke	0 R 54	57.60.1332 1 pce	3k3		MF, 1%, 0204, E24
1 MP 1	1.940.571.12 1 pce			D19M DA BOARD PCB	0 R 55	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 MP 2	1.940.571.04 1 pce			TYPENSCHILD	0 R 56	57.60.1153 1 pce	15k		MF, 1%, 0204, E24
0 MP 3	43.01.0108 1 pce	Label		ESE-WARNSCHILD	0 R 57	57.60.1104 1 pce	100k		MF, 1%, 0204, E24
0 MP 4	1.101.001.20 1 pce	Label		TEXT-ETIK. 5*20 HARDWARE -20	0 R 58	57.60.1272 1 pce	2k7		MF, 1%, 0204, E24
0 MP 5	not used 1 pce			QUARZ - ISOLIERPLATTE	0 R 59	57.60.1223 1 pce	22k		MF, 1%, 0204, E24
0 MP 6	50.20.3004 1 pce			Kühlkörper, TO 220, horizontal	0 R 60	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 MP 10	1.940.570.01 1 pce			FRONTPLATTE	0 R 61	57.60.1473 1 pce	47k		MF, 1%, 0204, E24
0 MP 11	1.940.600.04 1 pce			GRIFFEINLAGE 4TE	0 R 62	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 MP 12	49.02.0520 2 pcs	M2.5*12		Rändelschraube (Rack)	0 R 63	57.60.1562 1 pce	5k8		MF, 1%, 0204, E24
0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)	0 R 64	57.60.1683 1 pce	68k		MF, 1%, 0204, E24
0 MP 14	49.02.0522 2 pcs			Kartenhalter mit Z-Schr	0 R 65	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 MP 15	49.02.0523 1 pce	M2.5*7		Senk-Schr, KS, Senkripp	0 R 66	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0 MP 16	49.02.0504 1 pce	4TE		Frontplatten-Griff	0 R 67	57.92.7019 1 pce	0.4A		PTC 60V
0 MP 17	not used 2 pcs	M2.5*6		Z-Schraube Inbus Zn gb chr	0 R 68	57.92.7019 1 pce	0.4A		PTC 60V
				Schraube ist in MP14 (49.02.0522 Kartenhalter) enthalten	0 R 101	57.60.1362 1 pce	3k6		MF, 1%, 0204, E24
0 MP 18	21.53.0284 1 pce	M2.5*16		Z-Schraube Inbus Zn gb chr	0 R 102	57.60.1820 1 pce	82R		MF, 1%, 0204, E24
0 MP 19	28.99.0119 2 pcs			ROHRNIETE D 2.5*0.15* 9	0 R 103	57.60.1511 1 pce	510R		MF, 1%, 0204, E24
4 MP 20	43.10.0112 1 pce	C		Revisions-Etikette 5mm h/blau	0 R 104	57.60.1511 1 pce	510R		MF, 1%, 0204, E24
0 P 1	54.11.2009 1 pce	96p		EU-R 3*32p	0 R 105	57.60.1511 1 pce	510R		MF, 1%, 0204, E24
0 P 2	54.01.0020 1 pce	1p		Pin, 1reihig, gerade	0 R 106	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 P 3	54.01.0020 1 pce	1p		Pin, 1reihig, gerade	0 R 107	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 P 4	54.01.0020 1 pce	1p		Pin, 1reihig, gerade	0 R 108	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 P 5	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54	0 R 109	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 P 101	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54	0 R 110	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 P 201	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54	0 R 111	57.60.1681 1 pce	680R		MF, 1%, 0204, E24
0 P 301	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54	0 R 112	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 P 401	54.11.0136 1 pce	2*3p		Pin 0.63*0.63, RM2.54	0 R 113	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 Q 1	not used 1 pce	BC847B		NPN 45V 100mA SOT 23	0 R 114	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 Q 2	50.60.1050 1 pce	BC807-25		PNP 45V 800mA SOT 23	0 R 115	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 Q 3	50.60.0050 1 pce	BC817-25		NPN 45V 800mA SOT 23	0 R 116	57.60.1120 1 pce	12R		MF, 1%, 0204, E24
0 Q 4	50.60.1001 1 pce	BC857B		PNP 45V 100mA SOT 23	0 R 117	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24
0 Q 5	50.60.1001 1 pce	BC857B		PNP 45V 100mA SOT 23	0 R 118	57.60.1120 1 pce	12R		MF, 1%, 0204, E24
0 Q 6	50.60.0001 1 pce	BC847B		NPN 45V 100mA SOT 23	3 R 119	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 R 1	57.60.1471 1 pce	470R		MF, 1%, 0204, E24	0 R 120	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 R 2	57.60.1471 1 pce	470R		MF, 1%, 0204, E24	3 R 121	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 R 3	57.60.1471 1 pce	470R		MF, 1%, 0204, E24	0 R 122	57.60.1131 1 pce	130R		MF, 1%, 0204, E24
0 R 4	57.92.7053 1 pce	1.6A		PTC 30V	3 R 123	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 R 5	57.60.1270 1 pce	27R		MF, 1%, 0204, E24	0 R 124	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 R 6	57.60.1103 1 pce	10k		MF, 1%, 0204, E24	3 R 125	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0 R 7	57.60.1103 1 pce	10k		MF, 1%, 0204, E24	0 R 126	57.60.1121 1 pce	120R		MF, 1%, 0204, E24

C4DA/24/96, 24 Bit D/A 1.940.571.21 (4)

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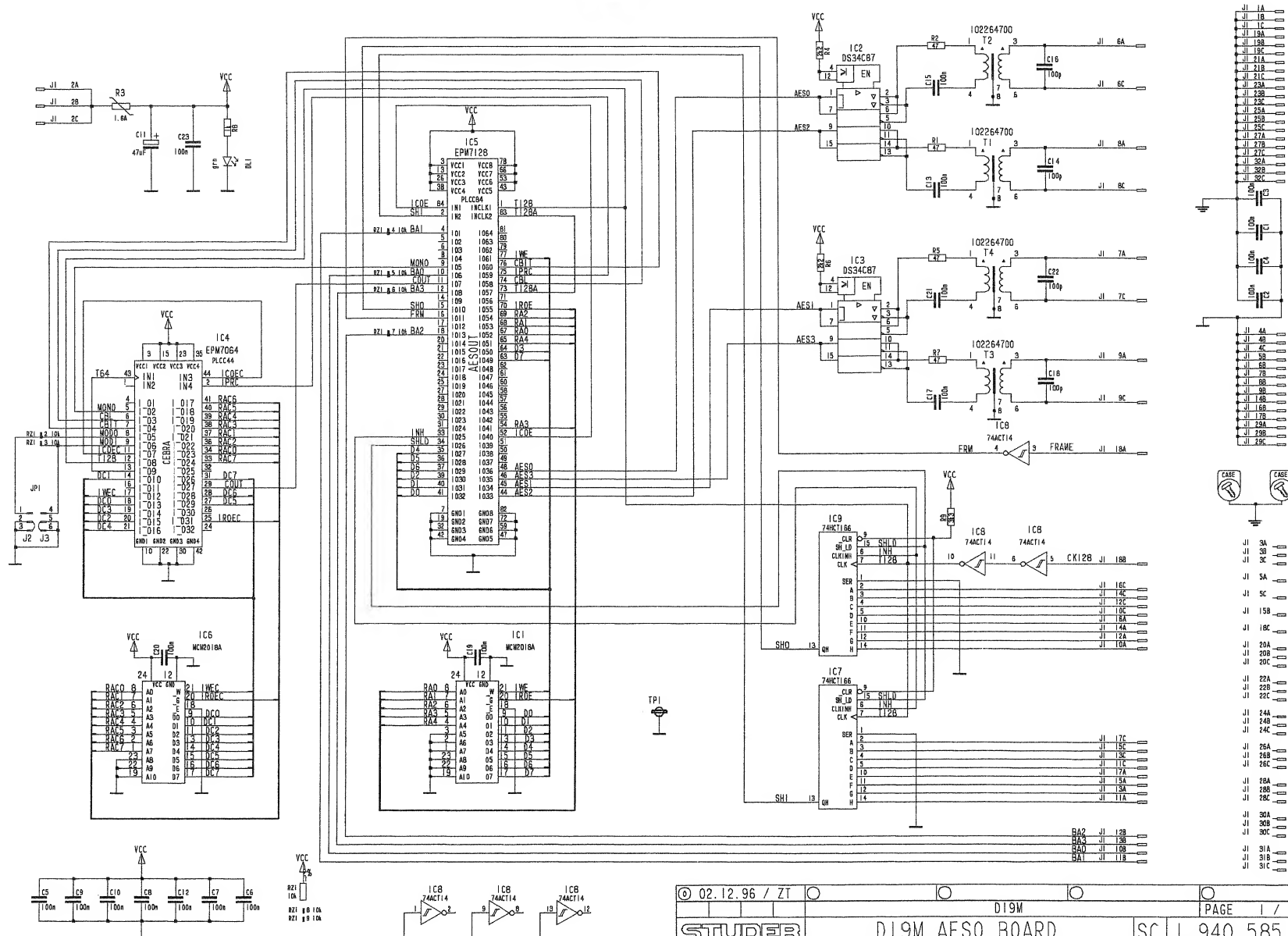
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0	R 127	57.60.1120 1 pce	12R		MF, 1%, 0204, E24	3	R 425	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24
0	R 128	57.60.1120 1 pce	12R		MF, 1%, 0204, E24	0	R 426	57.60.1121 1 pce	120R		MF, 1%, 0204, E24
0	R 201	57.60.1362 1 pce	3k6		MF, 1%, 0204, E24	0	R 427	57.60.1120 1 pce	12R		MF, 1%, 0204, E24
0	R 202	57.60.1820 1 pce	82R		MF, 1%, 0204, E24	0	R 428	57.60.1120 1 pce	12R		MF, 1%, 0204, E24
0	R 203	57.60.1511 1 pce	510R		MF, 1%, 0204, E24	0	R 443	57.60.1391 1 pce	390R		MF, 1%, 0204, E24
0	R 204	57.60.1511 1 pce	510R		MF, 1%, 0204, E24	0	R 444	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0	R 205	57.60.1511 1 pce	510R		MF, 1%, 0204, E24	0	R 445	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0	R 206	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	R 446	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0	R 207	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	R 447	57.60.1103 1 pce	10k		MF, 1%, 0204, E24
0	R 208	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	R 448	57.60.1100 1 pce	10R		MF, 1%, 0204, E24
0	R 209	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	RA 101	58.05.1202 1 pce	2k0		10%, 0.5W, Cermet
0	R 210	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	RA 102	58.05.1201 1 pce	200R		10%, 0.5W, Cermet
0	R 211	57.60.1681 1 pce	680R		MF, 1%, 0204, E24	0	RA 201	58.05.1202 1 pce	2k0		10%, 0.5W, Cermet
0	R 212	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	RA 202	58.05.1201 1 pce	200R		10%, 0.5W, Cermet
0	R 213	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	RA 301	58.05.1202 1 pce	2k0		10%, 0.5W, Cermet
0	R 214	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	RA 302	58.05.1201 1 pce	200R		10%, 0.5W, Cermet
0	R 215	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	RA 401	58.05.1202 1 pce	2k0		10%, 0.5W, Cermet
0	R 216	57.60.1120 1 pce	12R		MF, 1%, 0204, E24	0	RA 402	58.05.1201 1 pce	200R		10%, 0.5W, Cermet
0	R 217	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	T 1	1.022.632.00 1 pce	1:1		DI/DO TRANSFORMER
0	R 218	57.60.1120 1 pce	12R		MF, 1%, 0204, E24	0	T 2	1.022.632.00 1 pce	1:1		DI/DO TRANSFORMER
3	R 219	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24	0	T 3	1.022.632.00 1 pce	1:1		DI/DO TRANSFORMER
0	R 220	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24	0	T 101	1.022.275.00 1 pce			TRIFILARTRAFO OUTPUT
3	R 221	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24	0	T 201	1.022.275.00 1 pce			TRIFILARTRAFO OUTPUT
0	R 222	57.60.1131 1 pce	130R		MF, 1%, 0204, E24	0	T 301	1.022.275.00 1 pce			TRIFILARTRAFO OUTPUT
3	R 223	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24	0	T 401	1.022.275.00 1 pce			TRIFILARTRAFO OUTPUT
0	R 224	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24	0	TP 1	54.02.0320 1 pce	1p		PCB-Flachst 2.8*0.8, gerade
3	R 225	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24	0	XDL 1	50.20.2501 1 pce	Spacer		LED-Sockel
0	R 226	57.60.1121 1 pce	120R		MF, 1%, 0204, E24	0	XDL 2	50.20.2501 1 pce	Spacer		LED-Sockel
0	R 227	57.60.1120 1 pce	12R		MF, 1%, 0204, E24	0	XDL 3	50.20.2501 1 pce	Spacer		LED-Sockel
0	R 228	57.60.1120 1 pce	12R		MF, 1%, 0204, E24	0	XDL 4	50.20.2501 1 pce	Spacer		LED-Sockel
0	R 301	57.60.1362 1 pce	3k6		MF, 1%, 0204, E24	0	XIC 12	53.03.2284 1 pce	84p		PLCC-Socket
0	R 302	57.60.1820 1 pce	82R		MF, 1%, 0204, E24	0	XIC 10	53.03.0166 1 pce	8p		DIL 0.3", löt, gerade
0	R 303	57.60.1511 1 pce	510R		MF, 1%, 0204, E24	0	XIC 10	53.03.0166 1 pce	8p		DIL 0.3", löt, gerade
0	R 304	57.60.1511 1 pce	510R		MF, 1%, 0204, E24	0	XIC 20	53.03.0166 1 pce	8p		DIL 0.3", löt, gerade
0	R 305	57.60.1511 1 pce	510R		MF, 1%, 0204, E24	0	XIC 20	53.03.0166 1 pce	8p		DIL 0.3", löt, gerade
0	R 306	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	XIC 30	53.03.0166 1 pce	8p		DIL 0.3", löt, gerade
0	R 307	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	XIC 30	53.03.0166 1 pce	8p		DIL 0.3", löt, gerade
0	R 308	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	XIC 40	53.03.0166 1 pce	8p		DIL 0.3", löt, gerade
0	R 309	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	XIC 40	53.03.0166 1 pce	8p		DIL 0.3", löt, gerade
0	R 310	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24	0	Y 1	not used 1 pce	12.288MHz		XTAL HC 49/U
0	R 311	57.60.1681 1 pce	680R		MF, 1%, 0204, E24						
0	R 312	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 313	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 314	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 315	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 316	57.60.1120 1 pce	12R		MF, 1%, 0204, E24						
0	R 317	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 318	57.60.1120 1 pce	12R		MF, 1%, 0204, E24						
3	R 319	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						
0	R 320	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						
3	R 321	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						
0	R 322	57.60.1131 1 pce	130R		MF, 1%, 0204, E24						
3	R 323	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						
0	R 324	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						
3	R 325	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						
0	R 326	57.60.1121 1 pce	120R		MF, 1%, 0204, E24						
0	R 327	57.60.1120 1 pce	12R		MF, 1%, 0204, E24						
0	R 328	57.60.1120 1 pce	12R		MF, 1%, 0204, E24						
0	R 330	57.60.1103 1 pce	10k		MF, 1%, 0204, E24						
0	R 331	57.60.1103 1 pce	10k		MF, 1%, 0204, E24						
0	R 332	57.60.1103 1 pce	10k		MF, 1%, 0204, E24						
0	R 333	57.60.1103 1 pce	10k		MF, 1%, 0204, E24						
0	R 334	57.60.1100 1 pce	10R		MF, 1%, 0204, E24						
0	R 401	57.60.1362 1 pce	3k6		MF, 1%, 0204, E24						
0	R 402	57.60.1820 1 pce	82R		MF, 1%, 0204, E24						
0	R 403	57.60.1511 1 pce	510R		MF, 1%, 0204, E24						
0	R 404	57.60.1511 1 pce	510R		MF, 1%, 0204, E24						
0	R 405	57.60.1511 1 pce	510R		MF, 1%, 0204, E24						
0	R 406	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 407	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 408	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 409	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 410	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 411	57.60.1681 1 pce	680R		MF, 1%, 0204, E24						
0	R 412	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 413	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 414	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 415	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 416	57.60.1120 1 pce	12R		MF, 1%, 0204, E24						
0	R 417	57.60.1102 1 pce	1k0		MF, 1%, 0204, E24						
0	R 418	57.60.1120 1 pce	12R		MF, 1%, 0204, E24						
3	R 419	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						
0	R 420	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						
3	R 421	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						
0	R 422	57.60.1131 1 pce	130R		MF, 1%, 0204, E24						
3	R 423	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						
0	R 424	57.60.1472 1 pce	4k7		MF, 1%, 0204, E24						

End of List

- (1) MP1: PCB Modification
(2) Additionally D8 and MP20
(3) Improvement of stability: Several resistors replaced
(4) Improved +5VA stability in power down mode: R40 and R47 replaced

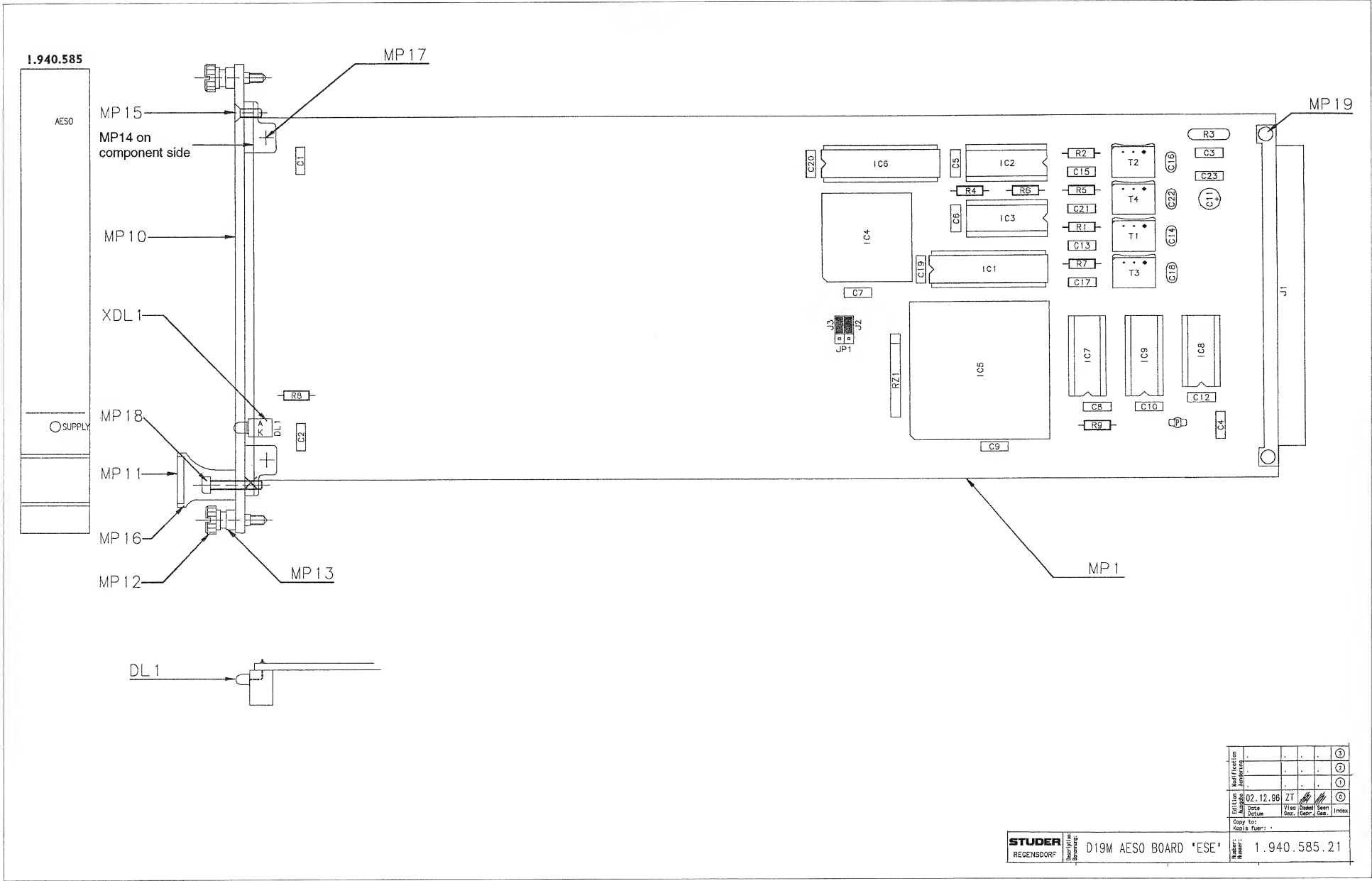


DI9M AESO Board 1.940.585.21





D19M AESO Board 1.940.585.21



Modification									
Author									
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State									
Visa									
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Seen									
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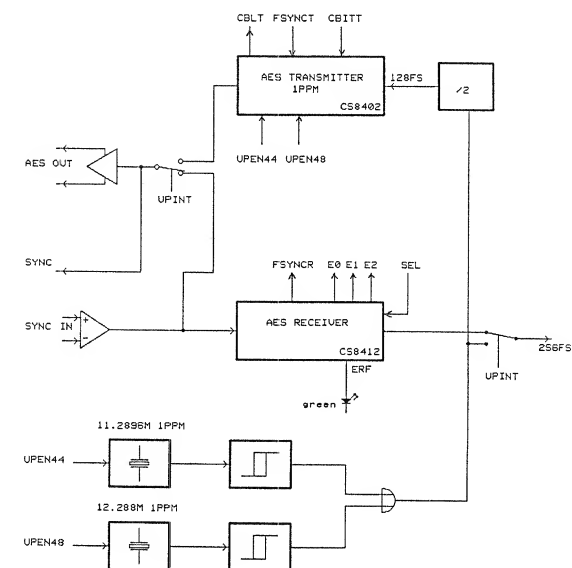


D19m AESO Board I.940.585.22

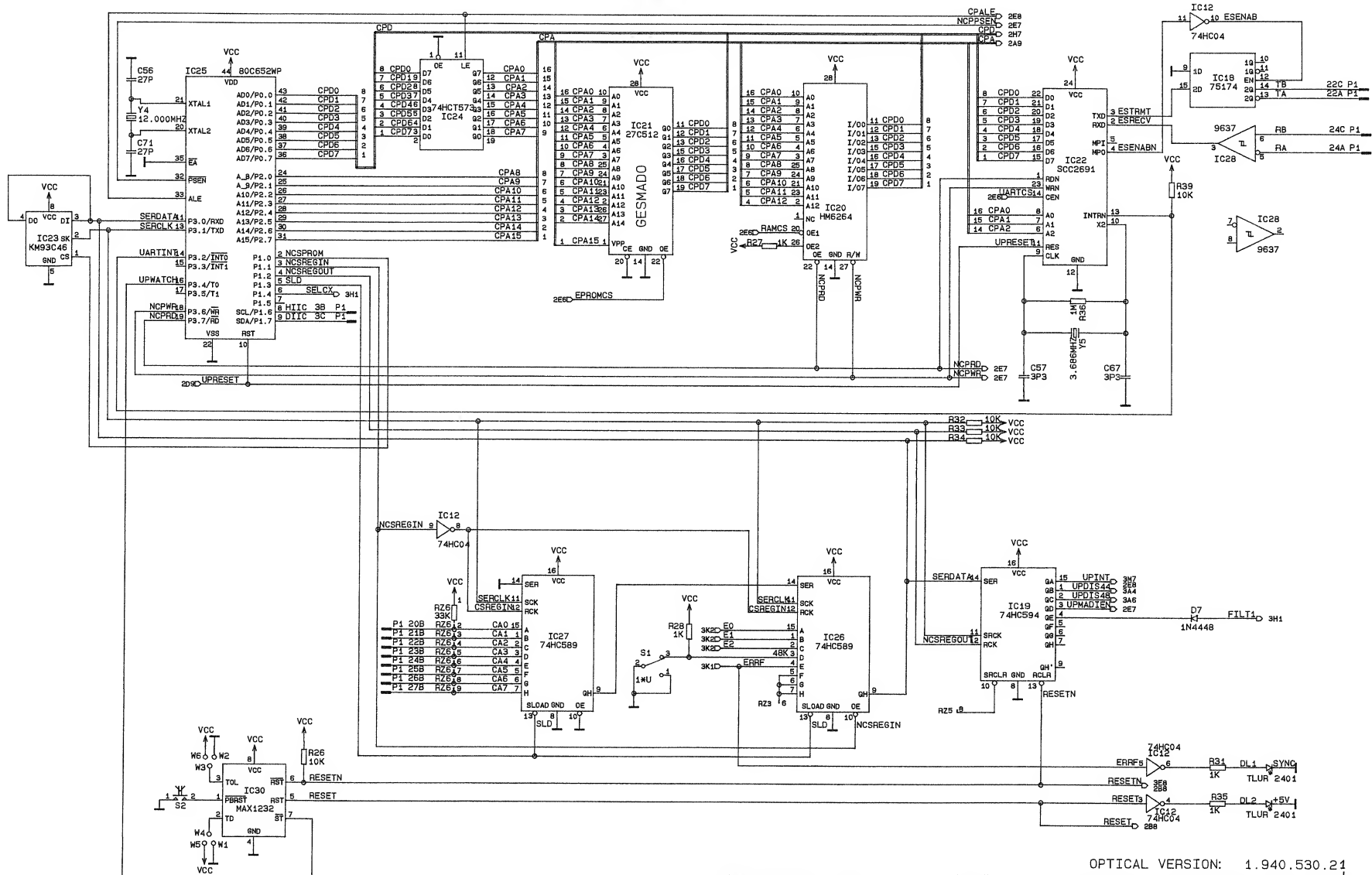
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0	C 1	59.06.0104	100n		PETP, 63V, 10%, RM5	0	TP 1	54.02.0320	1p		Flatpin, 2.8*0.8mm
0	C 2	59.06.0104	100n		PETP, 63V, 10%, RM5	0	XDL 1	50.20.2501		Spacer	LED-Sockel
0	C 3	59.06.0104	100n		PETP, 63V, 10%, RM5	0	XIC 2	53.03.0168	16p		DIL 0.3", lötl, gerade
0	C 4	59.06.0104	100n		PETP, 63V, 10%, RM5	0	XIC 3	53.03.0168	16p		DIL 0.3", lötl, gerade
0	C 5	59.06.0104	100n		PETP, 63V, 10%, RM5	0	XIC 4	53.03.2244		PLCC44p	PLCC-Socket 44p
0	C 6	59.06.0104	100n		PETP, 63V, 10%, RM5	0	XIC 5	53.03.2284		PLCC84p	PLCC-Socket 84p
0	C 7	59.06.0104	100n		PETP, 63V, 10%, RM5	End of List					
0	C 8	59.06.0104	100n		PETP, 63V, 10%, RM5	Comments IC-Sockel XIC nn entsprechend den IC Nummern bestücken. LED-Sockel XDL nn entsprechend den DL Nummern bestücken.					
0	C 9	59.06.0104	100n		PETP, 63V, 10%, RM5						
0	C 10	59.06.0104	100n		PETP, 63V, 10%, RM5						
0	C 11	59.22.3470	47u		EL 10V, 20%, RM5						
0	C 12	59.06.0104	100n		PETP, 63V, 10%, RM5						
0	C 13	59.06.0104	100n		PETP, 63V, 10%, RM5						
0	C 14	59.34.4101	100p		CER 63V, 5%, N750						
0	C 15	59.06.0104	100n		PETP, 63V, 10%, RM5						
0	C 16	59.34.4101	100p		CER 63V, 5%, N750						
0	C 17	59.06.0104	100n		PETP, 63V, 10%, RM5						
0	C 18	59.34.4101	100p		CER 63V, 5%, N750						
0	C 19	59.06.0104	100n		PETP, 63V, 10%, RM5						
0	C 20	59.06.0104	100n		PETP, 63V, 10%, RM5						
0	C 21	59.06.0104	100n		PETP, 63V, 10%, RM5						
0	C 22	59.34.4101	100p		CER 63V, 5%, N750						
0	C 23	59.06.0104	100n		PETP, 63V, 10%, RM5						
0	DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN						
0	IC 1	50.14.1009		CY7C128-35	IC MCM 2018 A - 35 ,A						
0	IC 2	50.15.0127		34C87	IC DS 34 C 87 TN, MC34C87P ,A						
0	IC 3	50.15.0127		34C87	IC DS 34 C 87 TN, MC34C87P ,A						
0	IC 4	1.940.962.21			SW 585 CEBRA (50.63.4202)						
0	IC 5	1.940.964.21			SW 585 AESOUT (50.63.4205)						
0	IC 6	50.14.1009		CY7C128-35	IC MCM 2018 A - 35 ,A						
0	IC 7	50.17.0166		74HCT166	8 Bit parallel in/serial out						
0	IC 8	50.17.7014		ACT14	.. 74 ACT 14 .						
0	IC 9	50.17.0166		74HCT166	8 Bit parallel in/serial out						
0	J 1	54.11.2009			J EU-R 3 * 32						
0	J 2	54.01.0021		Jumper	0.63 * 0.63mm						
0	J 3	54.01.0021		Jumper	0.63 * 0.63mm						
0	JP 1	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54						
0	MP 1	1.940.585.12			D19M AESO BOARD PCB						
0	MP 2	1.940.585.04			TYPENSCHILD						
0	MP 3	43.01.0108	mp	Label	ESE-WARNSCHILD						
0	MP 4	1.101.001.20	mp	Label	TEXT-ETIK. 5*20 HARDWARE -20						
0	MP 10	1.940.585.01	1 pce		FRONTPLATTE						
0	MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE						
0	MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)						
0	MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)						
0	MP 14	49.02.0522	2 pcs		Kartenhalter (Rack)						
0	MP 15	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp						
0	MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff						
0	MP 17	21.53.0279	2 pcs		Z - SCHR. IS, ZN, M2.5 * 6						
0	MP 18	21.53.0284	1 pce		Z - SCHR. IS, ZN, M2.5 * 16						
0	MP 19	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9						
0	R 1	57.11.3470		47R	MF, 1%, 0207						
0	R 2	57.11.3470		47R	MF, 1%, 0207						
0	R 3	57.92.7053		1.6A	POLY- PTC, 30V						
0	R 4	57.11.3222		2k2	MF, 1%, 0207						
0	R 5	57.11.3470		47R	MF, 1%, 0207						
0	R 6	57.11.3222		2k2	MF, 1%, 0207						
0	R 7	57.11.3470		47R	MF, 1%, 0207						
0	R 8	57.11.3102		1k0	MF, 1%, 0207						
0	R 9	57.11.3332		3k3	MF, 1%, 0207						
0	RZ 1	57.88.4103		6*10k	2%, SIP 9						
0	T 1	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU						
0	T 2	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU						
0	T 3	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU						
0	T 4	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU						

Mado Optical 1.940.530

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D19M				PAGE 1 OF 2	
STUDER	D19M MADI OUT	SC	1.940.520.21		



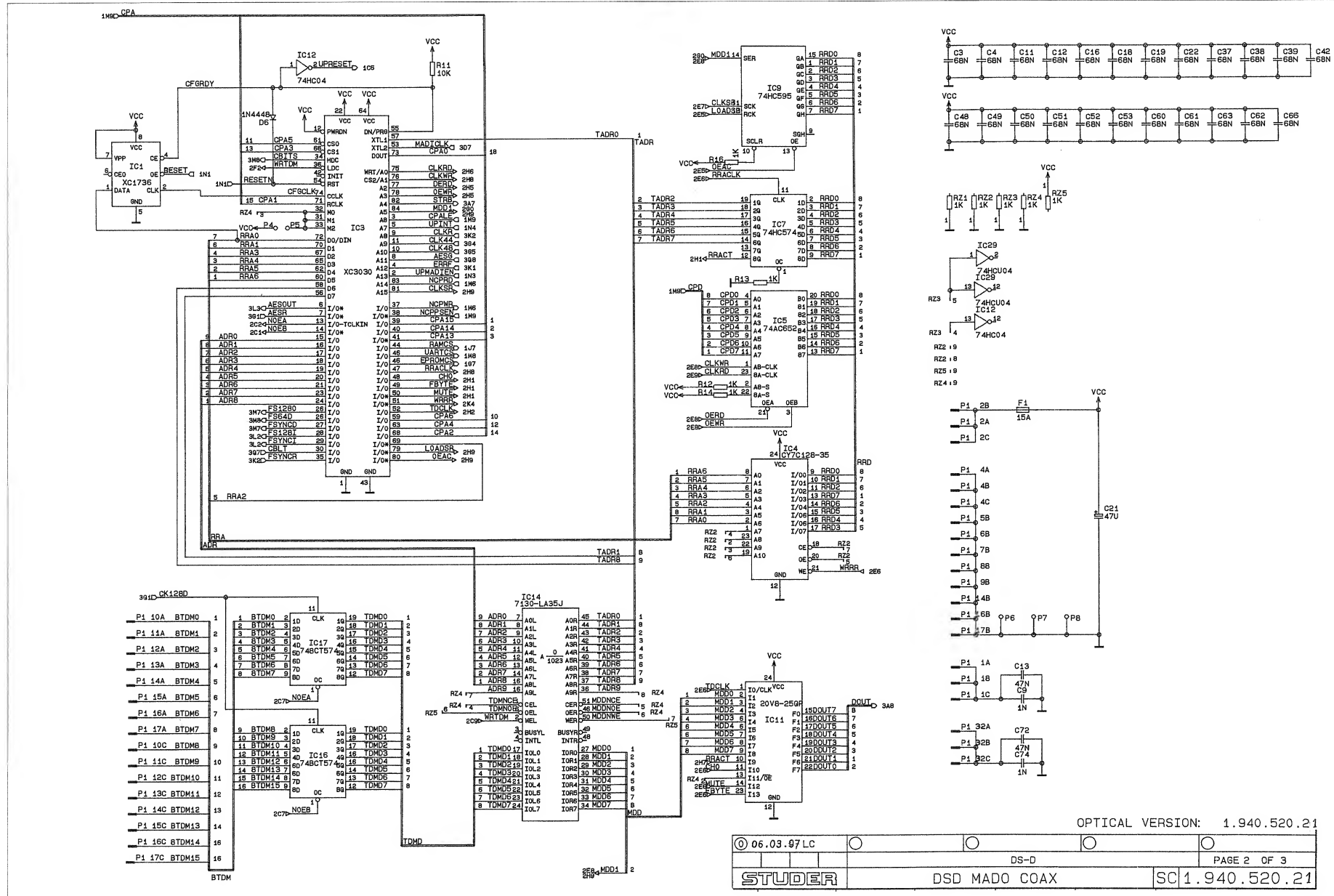
D19M Mado Coaxial 1.940.520.21
Mado Optical 1.940.530.21



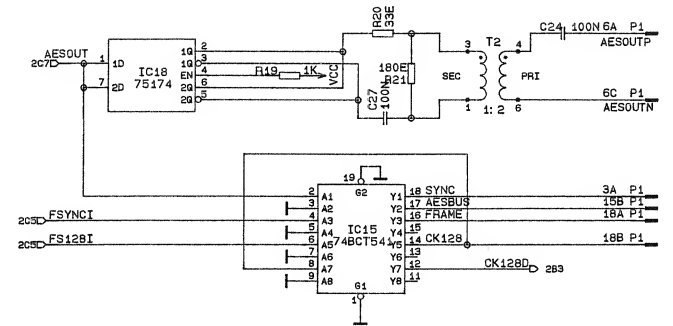
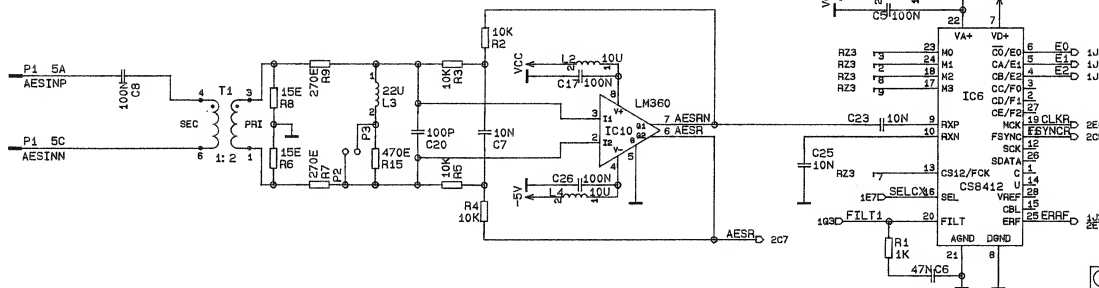
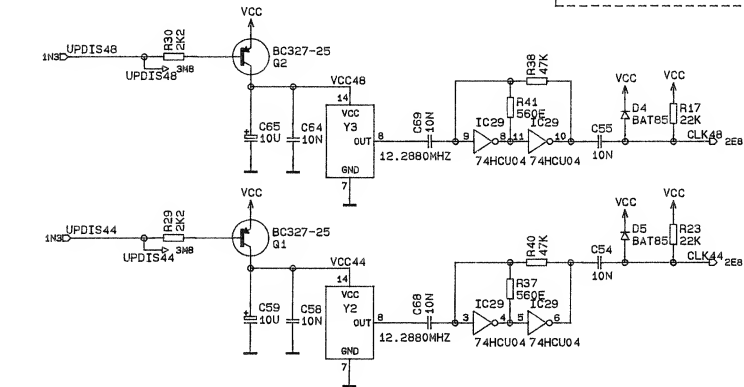
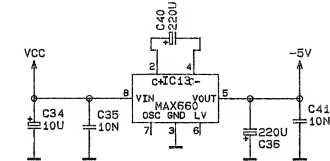
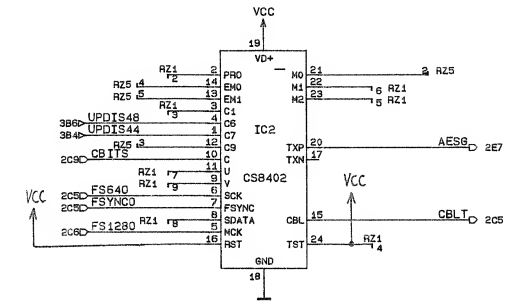
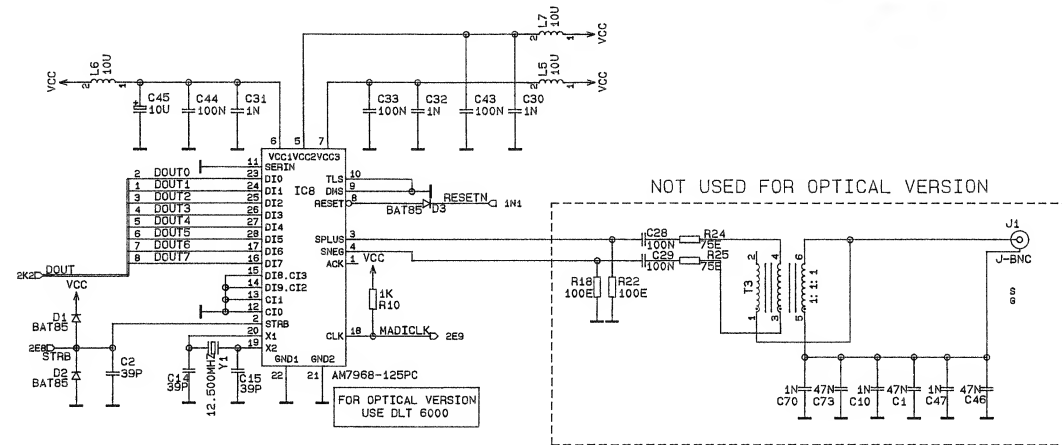
OPTICAL VERSION: 1.940.530.21



D19M Mado Coaxial 1.940.520.21
Mado Optical 1.940.530.21



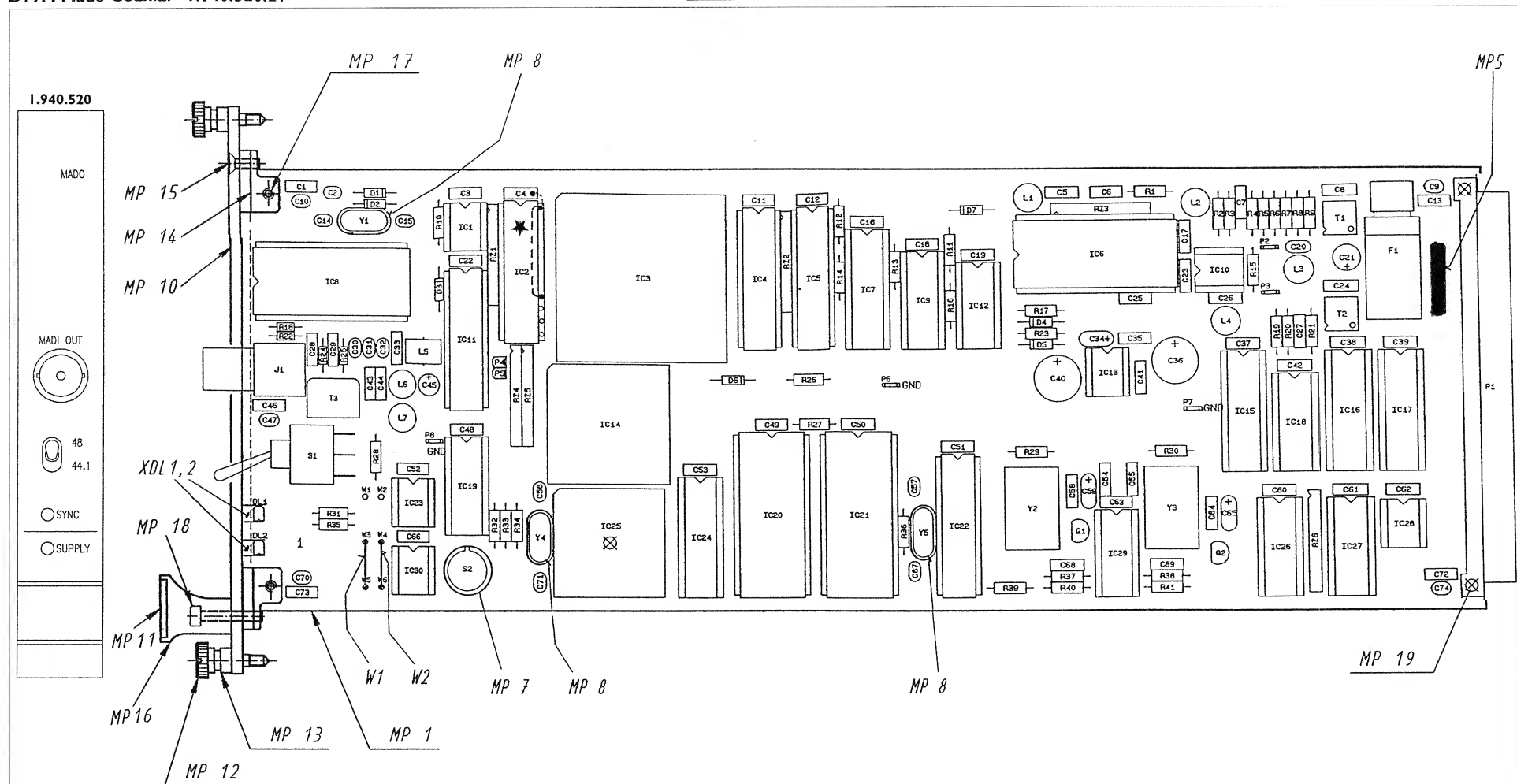
D19M Mado Coaxial 1.940.520.21
Mado Optical 1.940.530.21



OPTICAL VERSION: 1.940.530.21



D19M Mado Coaxial 1.940.520.21



✱ Cut pin 16 and connect pin 16 with pin 24 and C4 (VCC)

Revision	1	2	3	4	5
Author					
Editor					
Checker					
Approver					
Date	06.03.97	hm	HL	HM	
Unit					
Ver.					
Doc.					
Index					
Copy to:					
Expire					

STUDER
REGENSDORF

D19M MADO Coax.

ESE 1.940.520.21



DI9M Mado Coaxial I.940.520.21

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 17	57.11.3223		22k	MF, 1%, 0207
0	R 18	57.10.1101		100R	MF, 1%, 0204
0	R 19	57.11.3102		1k0	MF, 1%, 0207
0	R 20	57.11.3330		33R	MF, 1%, 0207
0	R 21	57.11.3181		180R	MF, 1%, 0207
0	R 22	57.10.1101		100R	MF, 1%, 0204
0	R 23	57.11.3223		22k	MF, 1%, 0207
0	R 24	57.10.1750		75R	MF, 1%, 0204
0	R 25	57.10.1750		75R	MF, 1%, 0204
0	R 26	57.11.3103		10k	MF, 1%, 0207
0	R 27	57.11.3102		1k0	MF, 1%, 0207
0	R 28	57.11.3102		1k0	MF, 1%, 0207
0	R 29	57.11.3222		2k2	MF, 1%, 0207
0	R 30	57.11.3222		2k2	MF, 1%, 0207
0	R 31	57.11.3102		1k0	MF, 1%, 0207
0	R 32	57.11.3103		10k	MF, 1%, 0207
0	R 33	57.11.3103		10k	MF, 1%, 0207
0	R 34	57.11.3103		10k	MF, 1%, 0207
0	R 35	57.11.3102		1k0	MF, 1%, 0207
0	R 36	57.11.3105		1M0	MF, 1%, 0207
0	R 37	57.11.3561		560R	MF, 1%, 0207
0	R 38	57.11.3473		47k	MF, 1%, 0207
0	R 39	57.11.3103		10k	MF, 1%, 0207
0	R 40	57.11.3473		47k	MF, 1%, 0207
0	R 41	57.11.3561		560R	MF, 1%, 0207
0	RZ 1	57.88.4102		8*1k	2%, SIP 9
0	RZ 2	57.88.4102		8*1k	2%, SIP 9
0	RZ 3	57.88.4102		8*1k	2%, SIP 9
0	RZ 4	57.88.4102		8*1k	2%, SIP 9
0	RZ 5	57.88.4102		8*1k	2%, SIP 9
0	RZ 6	57.88.4333		8*33k	2%, SIP 9
0	S 1	55.11.0202		SPST	Toggle on - none - on
0	S 2	55.03.0122		1*a	S 1 TASTE, 1*A, PRINT,IMPULS
0	T 1	63.15.0021			RF - Trafo
0	T 2	63.15.0021			RF - Trafo
0	T 3	63.15.0001			IMPULSTRANSFORMATOR
0	W 1	1.010.324.64		Wire	DRAHTBRUECKE U, 4.3*10.2, 0.6
0	W 2	1.010.324.64		Wire	DRAHTBRUECKE U, 4.3*10.2, 0.6
0	XDL 1	50.20.2501		Spacer	LED-Sockel
0	XDL 2	50.20.2501		Spacer	LED-Sockel
0	XF 1	53.03.0118			XF 5 * 20, PRINT-LIEGEND
0	XIC 1	53.03.0166		8p	DIL 0.3", lötl, gerade
0	XIC 3	53.03.2284		PLCC84p	PLCC-Socket 84p
0	XIC 11	53.03.0182		24p	DIL 0.3", lötl, gerade
0	XIC 14	53.03.2252		PLCC52p	PLCC-Socket 52p
0	XIC 15	53.03.0165		20p	DIL 0.3", lötl, gerade
0	XIC 16	53.03.0165		20p	DIL 0.3", lötl, gerade
0	XIC 17	53.03.0165		20p	DIL 0.3", lötl, gerade
0	XIC 18	53.03.0168		16p	DIL 0.3", lötl, gerade
0	XIC 21	53.03.0173		28p	DIL 0.6", lötl, gerade
0	XIC 25	53.03.2244		PLCC44p	PLCC-Socket 44p
0	XIC 28	53.03.0166		8p	DIL 0.3", lötl, gerade
0	Y 1	89.01.1013		12.500MHz	12.500 000 MHz, HC 49/U
0	Y 2	89.01.1602		11.2896MHz	TCXO Xtal-Oscillator temp comp
0	Y 3	89.01.1601		12.288MHz	TCXO Xtal-Oscillator temp comp
0	Y 4	89.01.1014		12.000MHz	12.000 000 MHz, HC 49/U
0	Y 5	89.01.1002		3.686MHz	3.686 400 MHz, HC 18/U

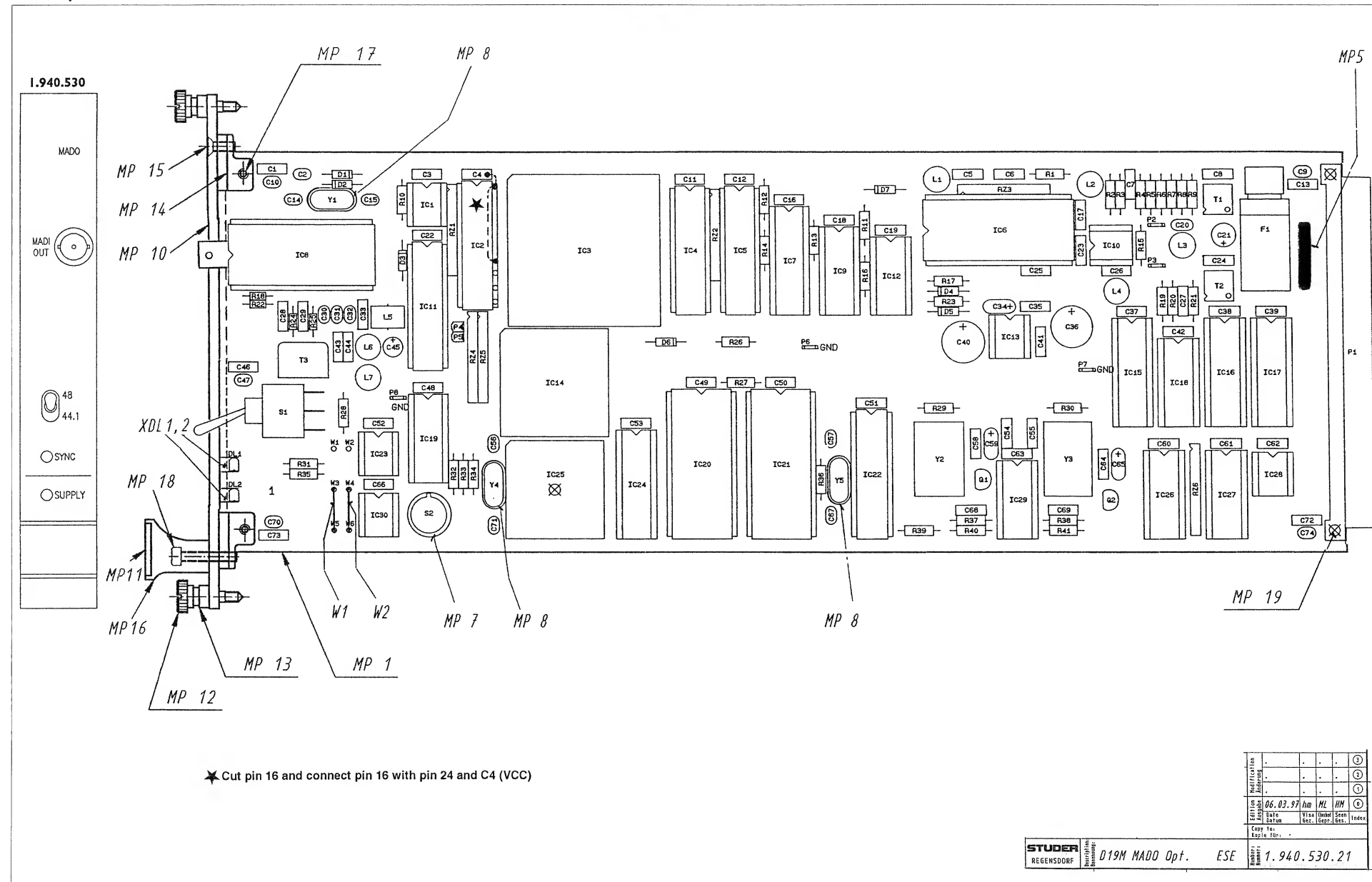
End of List

Comments:

new software 1.940.946-20 to -21

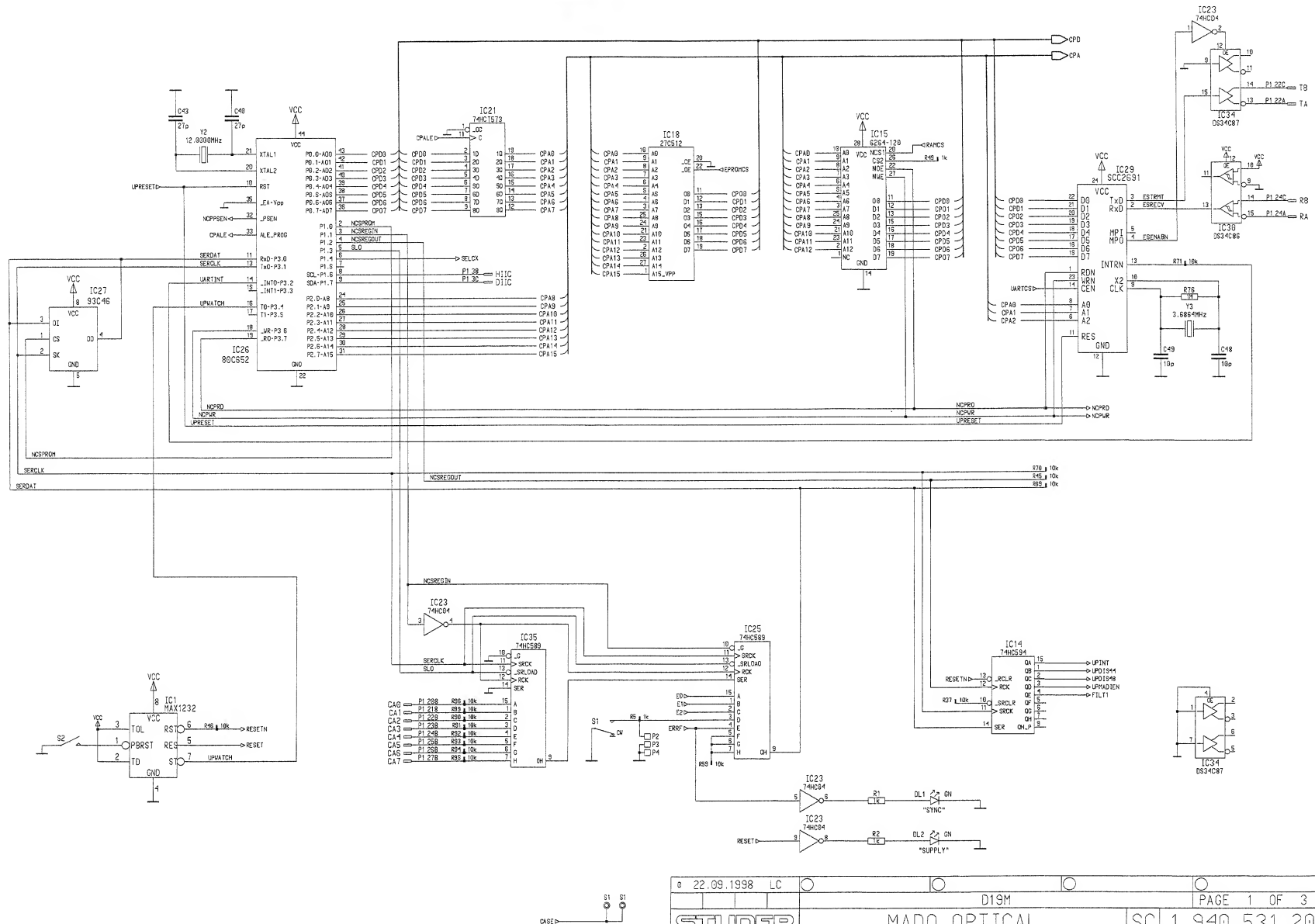


Mado Optical 1.940.530.21



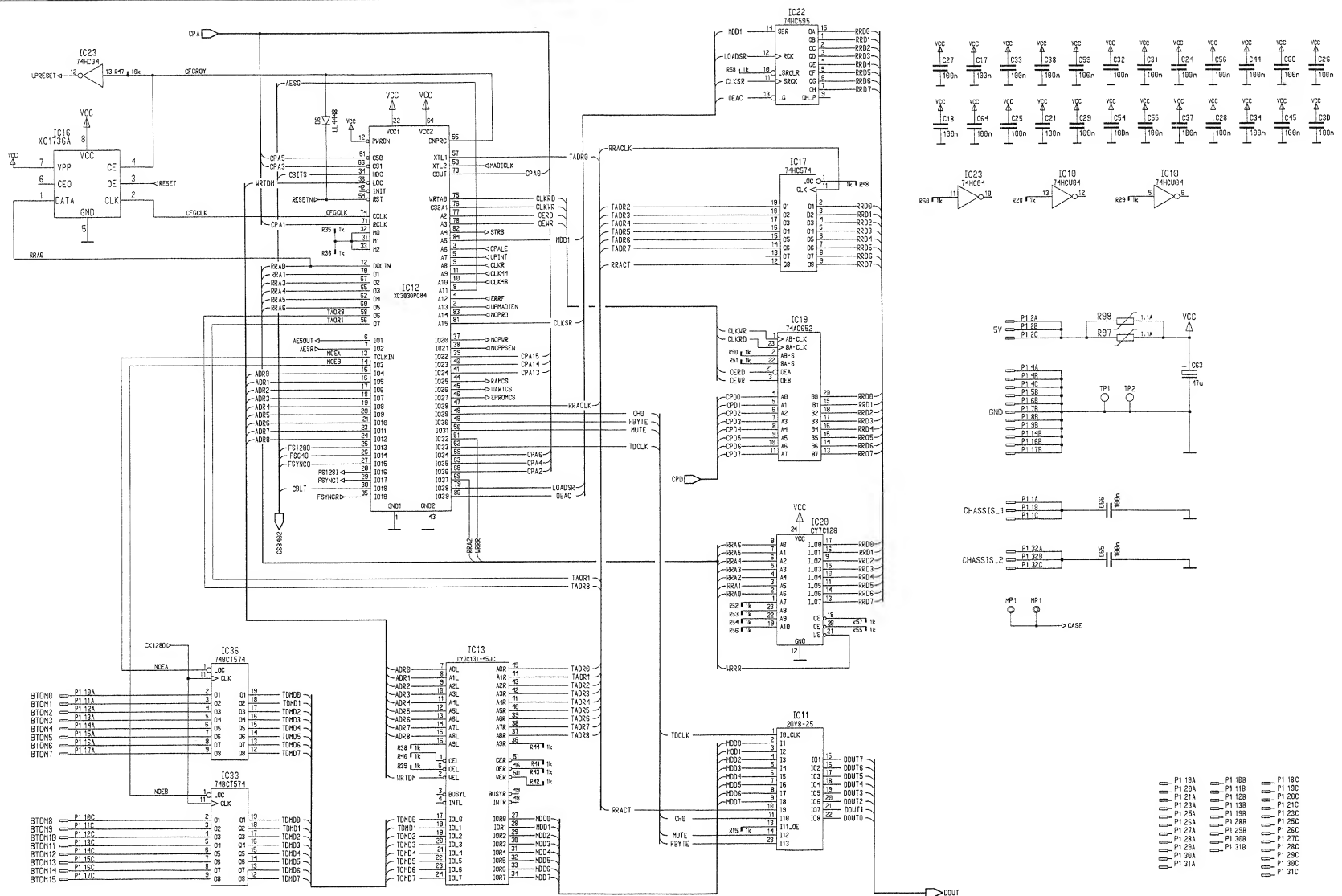


Mado Optical 1.940.531.20





Mado Optical 1.940.531.20







Mado Optical I.940.531.20

Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 10	50.62.1904		74HCU04	Hex inverter unbuffered
0	C 2	59.68.0065	10u		C-EL 16V, 4.0*5.7	0	IC 11	1.940.947.20		SW 520 TAXIREG (50.18.0101)	
0	C 3	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 12	50.63.4002		XC3030A-7	LCA 3000 / 3000 PLCC84
0	C 4	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 13	50.63.1702		CY7C130	Dualport SRAM, 1K*8
0	C 5	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 14	50.17.1594		74HC594	IC ... 74 HC 594 .. ,A
0	C 6	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 15	50.63.1502		6264	SRAM 8K*8, 120ns
0	C 7	59.68.0065	10u		C-EL 16V, 4.0*5.7	0	IC 16	1.940.946.21			SW 520 MADIOUT (50.14.1501)
0	C 8	59.60.2239	39p		CER 50V, 5%, C0G, 0803	0	IC 17	50.62.1574		74HC574	Octal D-FF
0	C 9	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 18	50.62.3573		74HCT573	Octal D-type latch
0	C 10	59.68.0065	10u		C-EL 16V, 4.0*5.7	0	IC 19	50.17.5652		74AC652	Octal Bus Reg/Transceiver
0	C 11	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	IC 20	50.14.1009		7C128A	SRAM 2K*8 35ns
0	C 12	59.68.0065	10u		C-EL 16V, 4.0*5.7	0	IC 21	1.940.946.20			SW 520 MADO (50.14.2002)
0	C 13	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	IC 22	50.62.1595		74HC595	8bit shift/output register
0	C 14	59.68.0065	10u		C-EL 16V, 4.0*5.7	0	IC 23	50.62.1004		74HC 04	Hex inverter
0	C 15	59.60.2239	39p		CER 50V, 5%, C0G, 0803	0	IC 24	50.62.0913		CS8412	AES-Receiver
0	C 16	59.60.2239	39p		CER 50V, 5%, C0G, 0803	0	IC 25	50.17.1589		74HC589	MC 74 HC 589 N
0	C 17	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 26	50.63.0009		80C852	MPU 8bit
0	C 18	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 27	50.63.1108		93C46	EEPROM 64*16, SO 8
0	C 19	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	IC 28	50.62.0464		DS34C87	4*RS 422 Line Driver
0	C 20	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	IC 29	50.16.0201		SCC2691	IC SCC 2691 AE 1 N 24 ..A
0	C 21	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 30	50.15.0128		34C86	IC DS 34 C 86 TN, MC34C86P ,A
0	C 22	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	IC 31	50.17.8541		74BCT541	Octal Buffer, tri
0	C 23	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	IC 32	50.62.0464		DS34C87	4*RS 422 Line Driver
0	C 24	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 33	50.17.8574		74BCT574	Octal D-Type FF, tri
0	C 25	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 34	50.15.0127		34C87	IC DS 34 C 87 TN, MC34C87P ,A
0	C 26	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 35	50.17.1589		74HC589	MC 74 HC 589 N
0	C 27	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 36	50.17.8574		74BCT574	Octal D-Type FF, tri
0	C 28	59.60.3337	100n		CER 50V, 10%, X7R, 0805						
0	C 29	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	L 1	62.60.0902			SMD Wideband choke
0	C 30	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	L 2	62.60.0113		10uH	10%, SMD 1210
0	C 31	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	L 3	not used			SMD Wideband choke
0	C 32	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	L 4	62.03.0001		10uH	1A Toroid Choke
0	C 33	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	L 5	62.03.0001		10uH	1A Toroid Choke
0	C 34	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	L 6	62.60.0125		100uH	10%, SMD 1210
0	C 35	59.68.0065	10u		C-EL 16V, 4.0*5.7	0	L 7	not used		22uH	10%, SMD 1210
0	C 36	59.60.3337	100n		CER 50V, 10%, X7R, 0805						
0	C 37	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 1	1.940.531.11			MADO optical PCB
0	C 38	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 2	1.940.531.04			TYPENSCHILD
0	C 39	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	MP 3	43.01.0108		Label	ESE-WARNSCHILD
0	C 40	59.60.2235	27p		CER 50V, 5%, C0G, 0803	0	MP 8	89.01.1499	2 pcs		QUARZ - ISOLIERPLATTE
0	C 41	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0	MP 10	1.940.531.01	1 pce		Frontplatte
0	C 42	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0	MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE
0	C 43	59.60.2235	27p		CER 50V, 5%, C0G, 0803	0	MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)
0	C 44	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)
0	C 45	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 14	49.02.0522	2 pcs		Kartenhalter (Rack)
0	C 46	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 15	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp
0	C 47	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff
0	C 48	59.60.2225	10p		CER 50V, 5%, C0G, 0803	0	MP 17	21.53.0279	2 pcs	M2.5*6	Z-Schraube Inbus Zn gb chr
0	C 49	59.60.2225	10p		CER 50V, 5%, C0G, 0803	0	MP 18	21.53.0284	1 pce	M2.5*16	Z-Schraube Inbus Zn gb chr
0	C 50	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 19	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9
0	C 51	59.60.3317	2n2		CER 50V, 10%, X7R, 0805						
0	C 52	59.60.2249	100p		CER 50V, 5%, C0G, 0803	0	P 1	54.11.2009	96p		EU-R 3*32p
0	C 53	59.60.2249	100p		CER 50V, 5%, C0G, 0803	0	P 2	not used	1p		Pin 0.63*0.63
0	C 54	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	P 3	not used	1p		Pin 0.63*0.63
0	C 55	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	P 4	not used	1p		Pin 0.63*0.63
0	C 56	59.60.3337	100n		CER 50V, 10%, X7R, 0805						
0	C 57	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	Q 1	50.60.1050		BC807-25	PNP 45V 800mA SOT 23
0	C 58	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	Q 2	50.60.1050		BC807-25	PNP 45V 800mA SOT 23
0	C 59	59.60.3337	100n		CER 50V, 10%, X7R, 0805						
0	C 60	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	R 1	57.60.1102		1K	MF, 1%, 0204, E24
0	C 61	59.60.2249	100p		CER 50V, 5%, C0G, 0803	0	R 2	57.60.1102		1K	MF, 1%, 0204, E24
0	C 62	59.60.2249	100p		CER 50V, 5%, C0G, 0803	0	R 3	not used		0R0	MF, 0204
0	C 63	59.68.0069	47u		C-EL 16V, 6.3*5.7	0	R 4	not used		0R0	MF, 0204
0	C 64	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	R 5	57.69.1073		1k0	CF 5% 0603
0	C 65	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	R 6	57.60.1131		130R	MF, 1%, 0204, E24
0	C 66	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	R 7	57.60.1820		82R	MF, 1%, 0204, E24
						0	R 8	57.60.1820		82R	MF, 1%, 0204, E24
0	D 1	50.60.8101		BAS85	200mA 30V Schottky SOD 80	0	R 9	57.60.1131		130R	MF, 1%, 0204, E24
0	D 2	50.60.8101		BAS85	200mA 30V Schottky SOD 80	0	R 10	57.69.1073		1k0	CF 5% 0603
0	D 3	50.60.8101		BAS85	200mA 30V Schottky SOD 80	0	R 11	57.60.1222		2K2	MF, 1%, 0204, E24
0	D 4	50.60.8101		BAS85	200mA 30V Schottky SOD 80	0	R 12	57.60.1222		2K2	MF, 1%, 0204, E24
0	D 5	50.60.8101		BAS85	200mA 30V Schottky SOD 80	0	R 13	57.69.1073		1k0	CF 5% 0603
0	D 6	50.60.8001		4448	200mA 75V 4ns SOD 80	0	R 14	57.69.1073		1k0	CF 5% 0603
0	D 7	50.60.8001		4448	200mA 75V 4ns SOD 80	0	R 15	57.69.1073		1k0	CF 5% 0603
						0	R 16	57.69.1073		1k0	CF 5% 0603
0	DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN	0	R 17	57.69.1073		1k0	CF 5% 0603
0	DL 2	50.04.2202		HLMP1790	DL HLMP - 1790 GN	0	R 18	57.69.1073		1k0	CF 5% 0603
						0	R 19	57.69.1073		1k0	CF 5% 0603
0	IC 1	50.11.0159		MAX1232	IC MAX 1232 CPA, DS 1232	0	R 20	57.69.1073		1k0	CF 5% 0603
0	IC 2	not used		HFBR5105	LWL Transceiver FDDI/MADI	0	R 21	57.60.1561		560R	MF, 1%, 0204, E24
0	IC 3	not used		HFBR5105	LWL Transceiver FDDI/MADI	0	R 22	57.69.1073		1k0	CF 5% 0603
0	IC 4	89.10.0022		HFBR11E5	LWL Transmitter FDDI	0	R 23	57.60.1473		47K	MF, 1%, 0204, E24
0	IC 5	not used		HFBR11E5	LWL Transmitter FDDI	0	R 24	57.60.1561		560R	MF, 1%, 0204, E24
0	IC 6	50.63.0204		AMT968	TAXI Chip Transmitter	0	R 25	57.60.1223		22K	MF, 1%, 0204, E24
0	IC 7	89.01.1802		11.2896MHz	TCXO Xtal-Oscillator temp comp	0	R 26	57.60.1223		22K	MF, 1%, 0204, E24
0	IC 8	89.01.1801		12.288MHz	TCXO Xtal-Oscillator temp comp	0	R 27	57.60.1473		47K	MF, 1%, 0204, E24
0	IC 9	50.62.0910		CS8402A	Dig audio interface transmitt	0	R 28	57.69.1073		1k0	CF 5% 0603



Mado Optical I.940.531.20

Idx	Pos.	Part No.	Qty.	Type/Val.	Description	Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 29	57.69.1073	1k0	CF 5%	0603	0	R 90	57.69.1097	10k	CF 5%	0603
0	R 30	57.69.1073	1k0	CF 5%	0603	0	R 91	57.69.1097	10k	CF 5%	0603
0	R 31	57.69.1073	1k0	CF 5%	0603	0	R 92	57.69.1097	10k	CF 5%	0603
0	R 32	57.69.1073	1k0	CF 5%	0603	0	R 93	57.69.1097	10k	CF 5%	0603
0	R 33	57.69.1073	1k0	CF 5%	0603	0	R 94	57.69.1097	10k	CF 5%	0603
0	R 34	57.69.1073	1k0	CF 5%	0603	U	R 95	57.69.1097	10k	CF 5%	0603
0	R 35	not used	1k0	CF 5%	0603	0	R 96	57.69.1097	10k	CF 5%	0603
0	R 36	57.69.1073	1k0	CF 5%	0603	0	R 97	57.92.7051	1.1A	POLY- PTC, 30V	
0	R 37	57.69.1097	10k	CF 5%	0603	0	R 98	57.92.7051	1.1A	POLY- PTC, 30V	
0	R 38	57.69.1073	1k0	CF 5%	0603						
0	R 39	57.69.1073	1k0	CF 5%	0603	0	S 1	55.11.0202		SPDT	Toggle on - none - on
0	R 40	57.69.1073	1k0	CF 5%	0603	0	S 2	55.60.0201		1*s	SMD Tactswitch
0	R 41	57.69.1073	1k0	CF 5%	0603						
0	R 42	57.69.1073	1k0	CF 5%	0603	0	T 1	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	R 43	57.69.1073	1k0	CF 5%	0603	0	T 2	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	R 44	57.69.1073	1k0	CF 5%	0603	0	T 3	1.022.632.00		1:1	D/D/O TRANSFORMER
0	R 45	57.69.1097	10k	CF 5%	0603	0	T 4	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	R 46	57.69.1097	10k	CF 5%	0603	0	T 5	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	R 47	57.69.1097	10k	CF 5%	0603						
0	R 48	57.69.1073	1k0	CF 5%	0603	0	TP 1	54.33.6010		2.8*0.8	PCB-Flachstecker, gerade
0	R 49	57.69.1073	1k0	CF 5%	0603	0	TP 2	54.33.6010		2.8*0.8	PCB-Flachstecker, gerade
0	R 50	57.69.1073	1k0	CF 5%	0603						
0	R 51	57.69.1073	1k0	CF 5%	0603	0	XDL 1	50.20.2501		Spacer	LED-Sockel
0	R 52	57.69.1073	1k0	CF 5%	0603	0	XDL 2	50.20.2501		Spacer	LED-Sockel
0	R 53	57.69.1073	1k0	CF 5%	0603						
0	R 54	57.69.1073	1k0	CF 5%	0603	0	XIC 11	53.03.0182		24p	DIL 0.3", lot, gerade
0	R 55	57.69.1073	1k0	CF 5%	0603	0	XIC 16	53.03.0166		8p	DIL 0.3", lot, gerade
0	R 56	57.69.1073	1k0	CF 5%	0603	0	XIC 21	53.03.0173		28p	DIL 0.6", lot, gerade
0	R 57	57.69.1073	1k0	CF 5%	0603						
0	R 58	57.69.1073	1k0	CF 5%	0603	0	Y 1	89.01.1013		12.500MHz	12.500 000 MHz, HC 49/U
0	R 59	57.69.1097	10k	CF 5%	0603	0	Y 2	89.60.1003		12.000MHz	SMD Quartz
0	R 60	57.69.1073	1k0	CF 5%	0603	0	Y 3	89.01.1002		3.686MHz	3.686 400 MHz, HC 18/U
0	R 61	57.69.1073	1k0	CF 5%	0603						
0	R 62	57.60.1102	1K	MF, 1%, 0204, E24							
0	R 63	57.69.1073	1k0	CF 5%	0603						
0	R 64	57.69.1073	1k0	CF 5%	0603						
0	R 65	57.69.1073	1k0	CF 5%	0603						
0	R 66	57.69.1073	1k0	CF 5%	0603						
0	R 67	57.69.1073	1k0	CF 5%	0603						
0	R 68	57.69.1073	1k0	CF 5%	0603						
0	R 69	57.69.1097	10k	CF 5%	0603						
0	R 70	57.69.1097	10k	CF 5%	0603						
0	R 71	57.69.1097	10k	CF 5%	0603						
0	R 72	57.60.1220	22R	MF, 1%, 0204, E24							
0	R 73	57.60.1270	27R	MF, 1%, 0204, E24							
0	R 74	57.60.1220	22R	MF, 1%, 0204, E24							
0	R 75	57.60.1270	27R	MF, 1%, 0204, E24							
0	R 76	57.60.1105	1M	MF, 1%, 0204, E24							
0	R 77	57.60.1000	0R0	MF, 0204							
0	R 78	57.60.1221	220R	MF, 1%, 0204, E24							
0	R 79	not used	470R	MF, 1%, 0204, E24							
0	R 80	57.60.1221	220R	MF, 1%, 0204, E24							
0	R 81	57.69.1073	1k0	CF 5%	0603						
0	R 82	57.69.1073	1k0	CF 5%	0603						
0	R 83	57.69.1073	1k0	CF 5%	0603						
0	R 84	57.69.1073	1k0	CF 5%	0603						
0	R 85	57.60.1220	22R	MF, 1%, 0204, E24							
0	R 86	57.60.1270	27R	MF, 1%, 0204, E24							
0	R 87	57.60.1220	22R	MF, 1%, 0204, E24							
0	R 88	57.60.1270	27R	MF, 1%, 0204, E24							
0	R 89	57.69.1097	10k	CF 5%	0603						

End of List

Comments

MADO optical dual output 1.940.532.20 (0)

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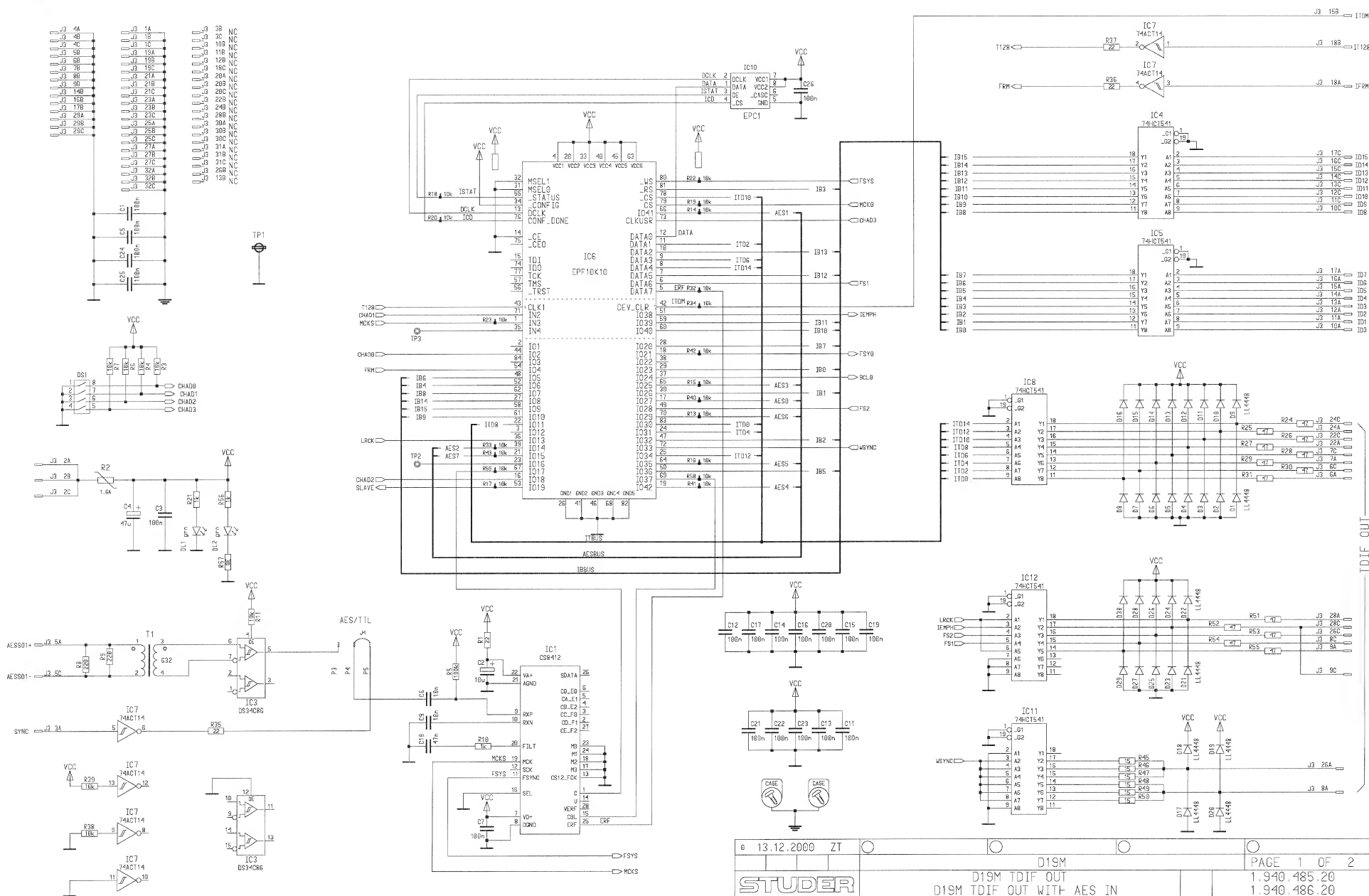
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0 C 1	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 13	50.63.1702		CY7C130	Dualport SRAM, 1K*8
0 C 2	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 14	50.17.1594		74HC594	IC ... 74 HC 594 .. ,A
0 C 3	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 15	50.63.1502		6264	SRAM 8K*8, 120ns
0 C 4	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 16	1.940.946.21			SW 520 MADIOUT (50.14.1501)
0 C 5	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 17	50.62.1574		74HC574	Octal D-FF
0 C 6	59.60.3337	100n		CFR 50V, 10%, X7R, 0805	0 IC 18	50.62.3573		74HCT573	Octal D-type latch
0 C 7	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 19	50.17.5652		74AC652	Octal Bus Reg/Transceiver
0 C 8	59.60.2239	39p		CER 50V, 5%, C0G, 0603	0 IC 20	50.14.1009		7C128A	SRAM 2K*8 35ns
0 C 9	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 21	1.940.945.20			SW 520 MADO (50.14.2002)
0 C 10	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 22	50.62.1595		74HC595	8bit shift/output register
0 C 11	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 IC 23	50.62.1004		74HC 04	Hex inverter
0 C 12	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 24	50.62.0913		CS8412	AES-Receiver
0 C 13	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 IC 25	50.17.1589		74HC589	MC 74 HC 589 N
0 C 14	59.68.0065	10u		EL 16V, 4.0*5.7	0 IC 26	50.63.0009		80C652	MPU 8bit
0 C 15	59.60.2239	39p		CER 50V, 5%, C0G, 0603	0 IC 27	50.63.1108		93C46	EEPROM 64*16, SO 8
0 C 16	59.60.2239	39p		CER 50V, 5%, C0G, 0603	0 IC 28	50.62.0464		DS34C87	4*RS 422 Line Driver
0 C 17	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 29	50.16.0201		SCC2691	IC SCC 2691 AE 1 N 24 ,A
0 C 18	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 30	50.15.0128		34C86	IC DS 34 C 86 TN, MC34C86P ,A
0 C 19	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 IC 31	50.17.8541		74BCT541	Octal Buffer, tri
0 C 20	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 IC 32	50.62.0464		DS34C87	4*RS 422 Line Driver
0 C 21	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 33	50.17.8574		74BCT574	Octal D-Type FF, tri
0 C 22	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 IC 34	50.15.0127		34C87	IC DS 34 C 87 TN, MC34C87P ,A
0 C 23	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 IC 35	50.17.1589		74HC589	MC 74 HC 589 N
0 C 24	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 36	50.17.8574		74BCT574	Octal D-Type FF, tri
0 C 25	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 1	62.60.0902			SMD Wideband choke
0 C 26	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 2	62.60.0113	10uH		SMD 10% 1210
0 C 27	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 3	62.60.0902			SMD Wideband choke
0 C 28	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 4	62.03.0001	10uH		1A Toroid Choke
0 C 29	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 5	62.03.0001	10uH		1A Toroid Choke
0 C 30	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 6	62.60.0125	100uH		SMD 10% 1210
0 C 31	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 L 7	not used	22uH		SMD 10% 1210
0 C 32	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 1	1.940.531.11			MADO optical PCB
0 C 33	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 2	1.940.532.04			TYPENSCHILD
0 C 34	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 3	43.01.0108	Label		ESE-WARNschild
0 C 35	59.68.0065	10u		EL 16V, 4.0*5.7	0 MP 8	89.01.1499 2 pcs			QUARZ - ISOLIERPLATTE
0 C 36	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 10	1.940.532.01 1 pce			Frontplatte MADO opt dual out
0 C 37	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 11	1.940.800.04 1 pce			GRIFFEINLAGE 4TE
0 C 38	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 12	49.02.0520 2 pcs	M2.5*12		Rändelschraube (Rack)
0 C 39	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)
0 C 40	59.60.2235	27p		CER 50V, 5%, C0G, 0603	0 MP 14	49.02.0522 2 pcs			Kartenhalter mit Z-Schr
0 C 41	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 MP 15	49.02.0523 1 pce	M2.5*7		Senk-Schr, KS, Senkripp
0 C 42	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 MP 16	49.02.0504 1 pce	4TE		Frontplatten-Griff
0 C 43	59.60.2235	27p		CER 50V, 5%, C0G, 0603	0 MP 17	21.53.0279 2 pcs	M2.5*6		Z-Schraube Inbus Zn gb chr
0 C 44	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 18	21.53.0284 1 pce	M2.5*16		Z-Schraube Inbus Zn gb chr
0 C 45	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 19	28.99.0119 2 pcs			ROHRNIETE D 2.5*0.15* 9
0 C 46	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 P 1	54.11.2009	96p		EU-R 3*32p
0 C 47	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 P 2	not used	1p		Pin, freihig, gerade
0 C 48	59.60.2225	10p		CER 50V, 5%, C0G, 0603	0 P 3	not used	1p		Pin, freihig, gerade
0 C 49	59.60.2225	10p		CER 50V, 5%, C0G, 0603	0 P 4	not used	1p		Pin, freihig, gerade
0 C 50	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 Q 1	50.60.1050	BC807-25		PNP 45V 800mA SOT 23
0 C 51	59.60.3317	2n2		CER 50V, 10%, X7R, 0805	0 Q 2	50.60.1050	BC807-25		PNP 45V 800mA SOT 23
0 C 52	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0 R 1	57.60.1102	1k0		MF, 1%, 0204, E24
0 C 53	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0 R 2	57.60.1102	1k0		MF, 1%, 0204, E24
0 C 54	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 3	not used	0R0		MF, 0204
0 C 55	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 4	not used	0R0		MF, 0204
0 C 56	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 5	57.69.1073	1k0		CF 5% 0603
0 C 57	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 6	57.60.1131	130R		MF, 1%, 0204, E24
0 C 58	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 7	57.60.1820	82R		MF, 1%, 0204, E24
0 C 59	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 8	57.60.1820	82R		MF, 1%, 0204, E24
0 C 60	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 9	57.60.1131	130R		MF, 1%, 0204, E24
0 C 61	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0 R 10	57.69.1073	1k0		CF 5% 0603
0 C 62	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0 R 11	57.60.1222	2k2		MF, 1%, 0204, E24
0 C 63	59.68.0069	47u		EL 16V, 6.3*5.7	0 R 12	57.60.1222	2k2		MF, 1%, 0204, E24
0 C 64	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 13	57.69.1073	1k0		CF 5% 0603
0 C 65	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 14	57.69.1073	1k0		CF 5% 0603
0 C 66	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 15	57.69.1073	1k0		CF 5% 0603
0 D 1	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 R 16	57.69.1073	1k0		CF 5% 0603
0 D 2	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 R 17	57.69.1073	1k0		CF 5% 0603
0 D 3	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 R 18	57.69.1073	1k0		CF 5% 0603
0 D 4	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 R 19	57.69.1073	1k0		CF 5% 0603
0 D 5	50.60.8101	BAS85		200mA 30V Schottky SOD 80	0 R 20	57.69.1073	1k0		CF 5% 0603
0 D 6	50.60.8001	4448		200mA 75V 4ns SOD 80	0 R 21	57.60.1561	560R		MF, 1%, 0204, E24
0 D 7	50.60.8001	4448		200mA 75V 4ns SOD 80	0 R 22	57.69.1073	1k0		CF 5% 0603
0 DL 1	50.04.2202	HLMP1790		DL HLMP - 1790 GN	0 R 23	57.60.1473	47k		MF, 1%, 0204, E24
0 DL 2	50.04.2202	HLMP1790		DL HLMP - 1790 GN	0 R 24	57.60.1561	560R		MF, 1%, 0204, E24
0 IC 1	50.11.0159	MAX1232		IC MAX 1232 CPA, DS 1232	0 R 25	57.60.1223	22k		MF, 1%, 0204, E24
0 IC 2	not used	HFBR5103		LWL Transceiver FDDI/MADI	0 R 26	57.60.1223	22k		MF, 1%, 0204, E24
0 IC 3	not used	HFBR5103		LWL Transceiver FDDI/MADI	0 R 27	57.60.1473	47k		MF, 1%, 0204, E24
0 IC 4	89.10.0022	HFBR11E5		LWL Transmitter FDDI	0 R 28	57.69.1073	1k0		CF 5% 0603
0 IC 5	89.10.0022	HFBR11E5		LWL Transmitter FDDI	0 R 29	57.69.1073	1k0		CF 5% 0603
0 IC 6	50.63.0204	AM7968		TAXI Chip Transmitter	0 R 30	57.69.1073	1k0		CF 5% 0603
0 IC 7	89.01.1602	11.289MHz		TCXO Xtal-Oscillator temp comp	0 R 31	57.69.1073	1k0		CF 5% 0603
0 IC 8	89.01.1601	12.288MHz		TCXO Xtal-Oscillator temp comp	0 R 32	57.69.1073	1k0		CF 5% 0603
0 IC 9	50.62.0910	CS8402A		Dig audio interface transmitt	0 R 33	57.69.1073	1k0		CF 5% 0603
0 IC 10	50.62.1904	74HCU04		Hex inverter unbuffered	0 R 34	57.69.1073	1k0		CF 5% 0603
0 IC 11	1.940.947.20			SW 520 TAXIREG (50.18.0101)	0 R 35	not used	1k0		CF 5% 0603
0 IC 12	50.63.4002	XC3030A-7		LCA 3000 / 3000 PLCC84	0 R 36	57.69.1073	1k0		CF 5% 0603

MADO optical dual output 1.940.532.20 (0)

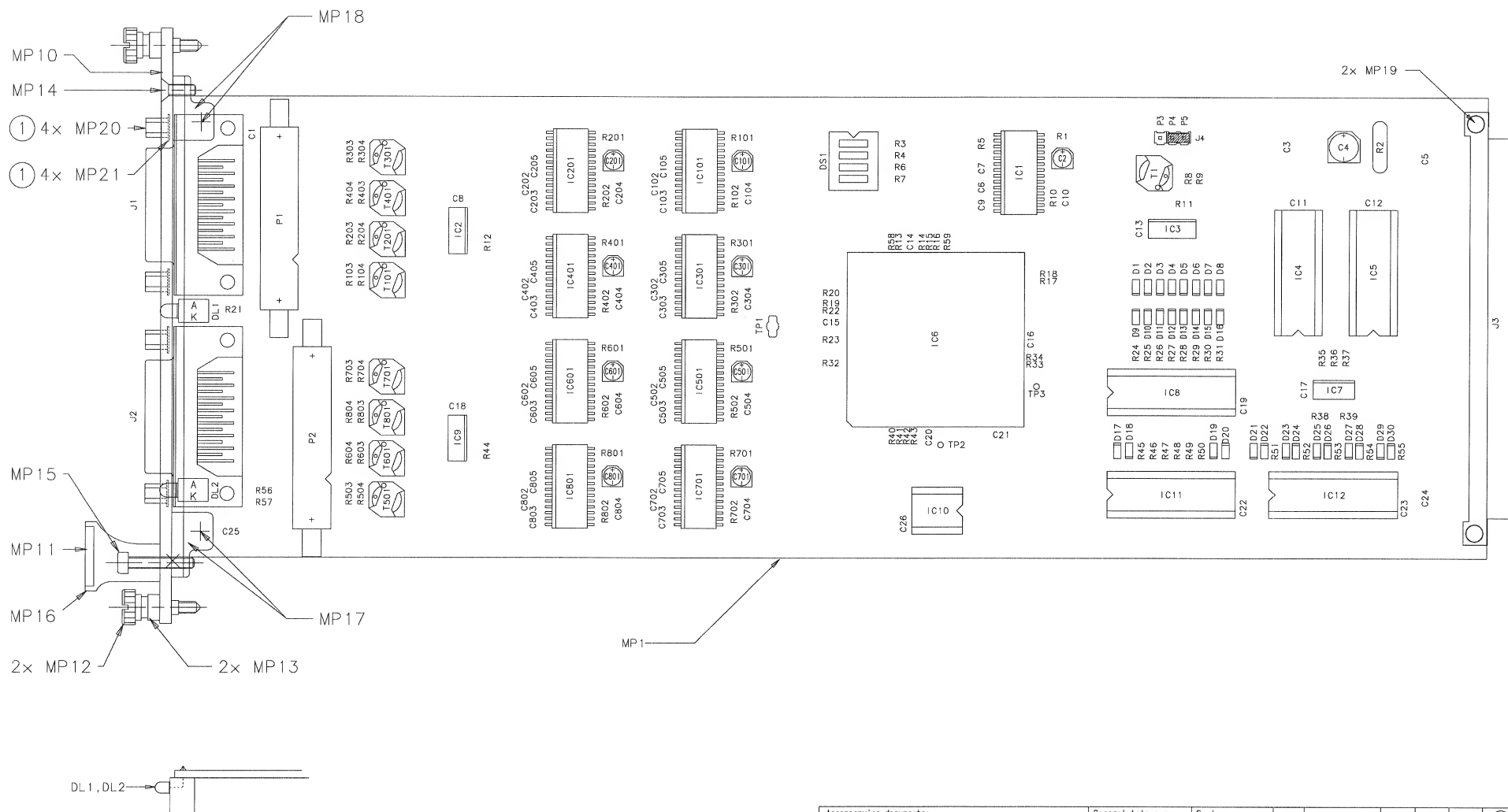
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Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 37	57.69.1097		10k	CF 5% 0603
0	R 38	57.69.1073		1k0	CF 5% 0603
0	R 39	57.69.1073		1k0	CF 5% 0603
0	R 40	57.69.1073		1k0	CF 5% 0603
0	R 41	57.69.1073		1k0	CF 5% 0603
0	R 42	57.69.1073		1k0	CF 5% 0603
0	R 43	57.69.1073		1k0	CF 5% 0603
0	R 44	57.69.1073		1k0	CF 5% 0603
0	R 45	57.69.1097		10k	CF 5% 0603
0	R 46	57.69.1097		10k	CF 5% 0603
0	R 47	57.69.1097		10k	CF 5% 0603
0	R 48	57.69.1073		1k0	CF 5% 0603
0	R 49	57.69.1073		1k0	CF 5% 0603
0	R 50	57.69.1073		1k0	CF 5% 0603
0	R 51	57.69.1073		1k0	CF 5% 0603
0	R 52	57.69.1073		1k0	CF 5% 0603
0	R 53	57.69.1073		1k0	CF 5% 0603
0	R 54	57.69.1073		1k0	CF 5% 0603
0	R 55	57.69.1073		1k0	CF 5% 0603
0	R 56	57.69.1073		1k0	CF 5% 0603
0	R 57	57.69.1073		1k0	CF 5% 0603
0	R 58	57.69.1073		1k0	CF 5% 0603
0	R 59	57.69.1097		10k	CF 5% 0603
0	R 60	57.69.1073		1k0	CF 5% 0603
0	R 61	57.69.1073		1k0	CF 5% 0603
0	R 62	57.60.1102		1k0	MF, 1%, 0204, E24
0	R 63	57.69.1073		1k0	CF 5% 0603
0	R 64	57.69.1073		1k0	CF 5% 0603
0	R 65	57.69.1073		1k0	CF 5% 0603
0	R 66	57.69.1073		1k0	CF 5% 0603
0	R 67	57.69.1073		1k0	CF 5% 0603
0	R 68	57.69.1073		1k0	CF 5% 0603
0	R 69	57.69.1097		10k	CF 5% 0603
0	R 70	57.69.1097		10k	CF 5% 0603
0	R 71	57.69.1097		10k	CF 5% 0603
0	R 72	57.60.1220		22R	MF, 1%, 0204, E24
0	R 73	57.60.1270		27R	MF, 1%, 0204, E24
0	R 74	57.60.1220		22R	MF, 1%, 0204, E24
0	R 75	57.60.1270		27R	MF, 1%, 0204, E24
0	R 76	57.60.1105		1M	MF, 1%, 0204, E24
0	R 77	57.60.1000		0R0	MF, 0204
0	R 78	57.60.1221		220R	MF, 1%, 0204, E24
0	R 79	not used		470R	MF, 1%, 0204, E24
0	R 80	57.60.1221		220R	MF, 1%, 0204, E24
0	R 81	57.69.1073		1k0	CF 5% 0603
0	R 82	57.69.1073		1k0	CF 5% 0603
0	R 83	57.69.1073		1k0	CF 5% 0603
0	R 84	57.69.1073		1k0	CF 5% 0603
0	R 85	57.60.1220		22R	MF, 1%, 0204, E24
0	R 86	57.60.1270		27R	MF, 1%, 0204, E24
0	R 87	57.60.1220		22R	MF, 1%, 0204, E24
0	R 88	57.60.1270		27R	MF, 1%, 0204, E24
0	R 89	57.69.1097		10k	CF 5% 0603
0	R 90	57.69.1097		10k	CF 5% 0603
0	R 91	57.69.1097		10k	CF 5% 0603
0	R 92	57.69.1097		10k	CF 5% 0603
0	R 93	57.69.1097		10k	CF 5% 0603
0	R 94	57.69.1097		10k	CF 5% 0603
0	R 95	57.69.1097		10k	CF 5% 0603
0	R 96	57.69.1097		10k	CF 5% 0603
0	R 97	57.92.7051		1.1A	PTC 30V
0	R 98	57.92.7051		1.1A	PTC 30V
0	S 1	55.11.0202		SPDT	Toggle 1 * on-none-on
0	S 2	55.60.0201		1*s	SMD Tactswitch
0	T 1	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 2	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 3	1.022.632.00		1:1	DI/DO TRANSFORMER
0	T 4	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	T 5	1.022.647.00		1:1.4	OUTPUT TRAFO AES/EBU
0	TP 1	54.33.6010		2.8*0.8	PCB-Flachstecker, gerade
0	TP 2	54.33.6010		2.8*0.8	PCB-Flachstecker, gerade
0	XDL 1	50.20.2501		Spacer	LED-Sockel
0	XDL 2	50.20.2501		Spacer	LED-Sockel
0	XIC 11	53.03.0182		24p	DIL 0.3", lötl, gerade
0	XIC 16	53.03.0186		8p	DIL 0.3", lötl, gerade
0	XIC 21	53.03.0173		28p	DIL 0.6", lötl, gerade
0	Y 1	89.01.1013		12.500MHz	XTAL HC 49/U
0	Y 2	89.60.1003		12.000MHz	SMD Quartz
0	Y 3	89.01.1002		3.6864MHz	XTAL HC 18 U

End of List

TDIFO, TDIF Interface 1.940.485.20 (0); TDIF Interface w. AES In 1.940.486.20 (0)


TDIFO, TDIF Interface 1.940.485.20 (0); TDIF Interface w. AES In 1.940.486.20 (0)



Accompanying documents: Zugehörige Unterlagen: PL	General tolerance: Freimasstoleranz:	Scale: Massstab:	Edition Ausgabe	13.02.2001	ZT	ML	HW	①
Substitute for: Ersatz fuer:	1.940.485.20 / 486.20	Index 0	Date Datum	Visa Gez.	Checked Gepr.	Seen Ges.	Index	
STUDER REGENSDORF			Description: Benennung:			D19M TDIF OUT BOARD, ESE D19M TDIF OUT WITH AES IN BOARD, ESE		
			Page: Seite:			1 / 1		
			Number: Number:			1.940.485.20 1.940.486.20		

TDIFO, TDIF Out 1.940.485.20 (0)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 2	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 3	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 4	59.68.0069	1 pce	47u	EL 16V, 6.3*5.7
0 C 5	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 6	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 7	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 8	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 9	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 10	not used	1 pce	47n	CER 50V, 10%, X7R, 0805
0 C 11	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 12	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 13	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 14	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 15	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 16	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 17	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 18	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 19	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 20	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 21	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 22	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 23	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 24	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 25	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 26	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 101	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 102	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 103	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 104	not used	1 pce	47n	CER 50V, 10%, X7R, 0805
0 C 105	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 201	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 202	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 203	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 204	not used	1 pce	47n	CER 50V, 10%, X7R, 0805
0 C 205	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 301	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 302	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 303	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 304	not used	1 pce	47n	CER 50V, 10%, X7R, 0805
0 C 305	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 401	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 402	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 403	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 404	not used	1 pce	47n	CER 50V, 10%, X7R, 0805
0 C 405	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 501	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 502	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 503	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 504	not used	1 pce	47n	CER 50V, 10%, X7R, 0805
0 C 505	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 601	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 602	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 603	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 604	not used	1 pce	47n	CER 50V, 10%, X7R, 0805
0 C 605	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 701	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 702	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 703	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 704	not used	1 pce	47n	CER 50V, 10%, X7R, 0805
0 C 705	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 C 801	not used	1 pce	10u	EL 16V, 4.0*5.7
0 C 802	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 803	not used	1 pce	10n	CER 50V, 10%, X7R, 0805
0 C 804	not used	1 pce	47n	CER 50V, 10%, X7R, 0805
0 C 805	not used	1 pce	100n	CER 50V, 10%, X7R, 0805
0 D 1	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 2	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 3	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 4	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 5	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 6	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 7	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 8	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 9	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 10	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 11	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 12	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 13	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 14	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 15	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 16	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 17	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 18	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 19	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 20	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 21	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 D 22	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 23	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 24	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 25	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 26	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 27	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 28	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 29	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 D 30	50.60.8001	1 pce	4448	200mA 75V 4ns SOD 80
0 DL 1	not used	1 pce	HLMP1790	DL HLMP - 1790 GN
0 DL 2	50.04.2202	1 pce	HLMP1790	DL HLMP - 1790 GN
0 DS 1	55.01.0164	1 pce	4*a	DIL-Switch, PCB
0 IC 1	not used	1 pce	CS8412	AES-Receiver
0 IC 2	not used	1 pce	DS34C86	4*RS 422 Line Receiver
0 IC 3	not used	1 pce	DS34C86	4*RS 422 Line Receiver
0 IC 4	50.17.0541	1 pce	74HCT541	IC .. 74 HCT541 .. A
0 IC 5	50.17.0541	1 pce	74HCT541	IC .. 74 HCT541 .. A
0 IC 6	50.63.4210	1 pce	EPF10K10	PLD 10 000 gates
0 IC 7	50.62.6014	1 pce	74ACT 14	Hex inverting Schmitt trigger
0 IC 8	50.17.0541	1 pce	74HCT541	IC .. 74 HCT541 .. A
0 IC 9	not used	1 pce	DS34C86	4*RS 422 Line Receiver
0 IC 10	1.940.986.20	1 pce		SV485 TDIFOUT (50.63.4298)
0 IC 11	50.17.0541	1 pce	74HCT541	IC .. 74 HCT541 .. A
0 IC 12	50.17.0541	1 pce	74HCT541	IC .. 74 HCT541 .. A
0 IC 101	not used	1 pce	CS8412	AES-Receiver
0 IC 201	not used	1 pce	CS8412	AES-Receiver
0 IC 301	not used	1 pce	CS8412	AES-Receiver
0 IC 401	not used	1 pce	CS8412	AES-Receiver
0 IC 501	not used	1 pce	CS8412	AES-Receiver
0 IC 601	not used	1 pce	CS8412	AES-Receiver
0 IC 701	not used	1 pce	CS8412	AES-Receiver
0 IC 801	not used	1 pce	CS8412	AES-Receiver
0 J 1	not used	1 pce	15p	D-Sub, PCB, Winkel
0 J 2	not used	1 pce	15p	D-Sub, PCB, Winkel
0 J 3	54.11.2009	1 pce	96p	EU-R 3*32p
0 J 4	not used	1 pce	Jumper	0.63*0.63mm, Au
0 MP 1	1.940.485.11	1 pce		D19M TDIF OUT PCB
0 MP 2	1.940.485.04	1 pce		TYPENSCHILD
0 MP 3	43.01.0108	1 pce	Label	ESE-WARNSCHILD
0 MP 10	1.940.485.01	1 pce		FRONTPLATTE TDIF OUT
0 MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE
0 MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)
0 MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)
0 MP 14	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp
0 MP 15	21.53.0284	1 pce	M2.5*16	Z-Schraube Inbus Zn gb chr
0 MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff
0 MP 17	49.02.0522	1 pce		Kartenhalter mit Z-Schr
0 MP 18	49.02.0522	1 pce		Kartenhalter mit Z-Schr
0 MP 19	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9
0 P 1	not used	1 pce	16p	Stecker gerade Au
0 P 2	not used	1 pce	16p	Stecker gerade Au
0 P 3	not used	1 pce	1p	Pin, 1reihig, gerade
0 P 4	not used	1 pce	1p	Pin, 1reihig, gerade
0 P 5	not used	1 pce	1p	Pin, 1reihig, gerade
0 R 1	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 2	57.92.7053	1 pce	1.6A	PTC 30V
0 R 3	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 4	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 5	not used	1 pce	100k	MF, 1%, 0204, E24
0 R 6	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 7	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 8	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 9	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 10	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 11	not used	1 pce	10k	MF, 1%, 0204, E24
0 R 12	not used	1 pce	10k	MF, 1%, 0204, E24
0 R 13	57.69.1097	1 pce	10k	CF 5% 0603
0 R 14	57.69.1097	1 pce	10k	CF 5% 0603
0 R 15	57.69.1097	1 pce	10k	CF 5% 0603
0 R 16	57.69.1097	1 pce	10k	CF 5% 0603
0 R 17	57.69.1097	1 pce	10k	CF 5% 0603
0 R 18	57.69.1097	1 pce	10k	CF 5% 0603
0 R 19	57.69.1097	1 pce	10k	CF 5% 0603
0 R 20	57.69.1097	1 pce	10k	CF 5% 0603
0 R 21	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 22	57.69.1097	1 pce	10k	CF 5% 0603
0 R 23	57.69.1097	1 pce	10k	CF 5% 0603
0 R 24	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 25	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 26	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 27	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 28	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 29	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 30	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 31	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 32	57.69.1097	1 pce	10k	CF 5% 0603
0 R 33	57.69.1097	1 pce	10k	CF 5% 0603

TDIFO, TDIF Out 1.940.485.20 (0)

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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 R 34	57.69.1097	1 pce	10k	CF 5% 0603
0 R 35	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 36	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 37	57.60.1220	1 pce	22R	MF, 1%, 0204, E24
0 R 38	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 39	57.60.1103	1 pce	10k	MF, 1%, 0204, E24
0 R 40	57.69.1097	1 pce	10k	CF 5% 0603
0 R 41	57.69.1097	1 pce	10k	CF 5% 0603
0 R 42	57.69.1097	1 pce	10k	CF 5% 0603
0 R 43	57.69.1097	1 pce	10k	CF 5% 0603
0 R 44	not used	1 pce	10k	MF, 1%, 0204, E24
0 R 45	57.60.1150	1 pce	15R	MF, 1%, 0204, E24
0 R 46	57.60.1150	1 pce	15R	MF, 1%, 0204, E24
0 R 47	57.60.1150	1 pce	15R	MF, 1%, 0204, E24
0 R 48	57.60.1150	1 pce	15R	MF, 1%, 0204, E24
0 R 49	57.60.1150	1 pce	15R	MF, 1%, 0204, E24
0 R 50	57.60.1150	1 pce	15R	MF, 1%, 0204, E24
0 R 51	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 52	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 53	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 54	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 55	57.60.1470	1 pce	47R	MF, 1%, 0204, E24
0 R 56	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24
0 R 57	57.60.1000	1 pce	0R0	MF, 0204
0 R 58	57.69.1097	1 pce	10k	CF 5% 0603
0 R 59	57.69.1097	1 pce	10k	CF 5% 0603
0 R 101	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 102	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 103	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 104	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 201	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 202	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 203	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 204	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 301	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 302	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 303	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 304	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 401	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 402	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 403	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 404	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 501	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 502	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 503	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 504	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 601	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 602	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 603	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 604	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 701	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 702	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 703	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 704	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 801	not used	1 pce	22R	MF, 1%, 0204, E24
0 R 802	not used	1 pce	1k0	MF, 1%, 0204, E24
0 R 803	not used	1 pce	220R	MF, 1%, 0204, E24
0 R 804	not used	1 pce	220R	MF, 1%, 0204, E24
0 T 1	not used	1 pce	1:1	DI/DO TRANSFORMER
0 T 101	not used	1 pce	1:1	DI/DO TRANSFORMER
0 T 201	not used	1 pce	1:1	DI/DO TRANSFORMER
0 T 301	not used	1 pce	1:1	DI/DO TRANSFORMER
0 T 401	not used	1 pce	1:1	DI/DO TRANSFORMER
0 T 501	not used	1 pce	1:1	DI/DO TRANSFORMER
0 T 601	not used	1 pce	1:1	DI/DO TRANSFORMER
0 T 701	not used	1 pce	1:1	DI/DO TRANSFORMER
0 T 801	not used	1 pce	1:1	DI/DO TRANSFORMER
0 TP 1	54.02.0320	1 pce	1p	PCB-Flachst 2.8*0.8, gerade
0 XDL 2	50.20.2501	1 pce	Spacer	LED-Socket
0 XIC 6	53.03.2284	1 pce	84p	PLCC-Socket
0 XIC 10	53.03.0166	1 pce	8p	DIL 0.3", 10t, gerade

End of List

TDIFO, TDIF Out with AES In 1.940.486.20 (1)

Page: 1 of 2

Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 D 22	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80
0 C 2	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 D 23	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80
0 C 3	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 D 24	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80
0 C 4	59.68.0069 1 pce	47u		EL 16V, 6.3*5.7	0 D 25	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80
0 C 5	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 D 26	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80
0 C 6	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 D 27	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80
0 C 7	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 D 28	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80
0 C 8	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 D 29	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80
0 C 9	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 D 30	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80
0 C 10	59.60.3333 1 pce	47n		CER 50V, 10%, X7R, 0805	0 DL 1	50.04.2202 1 pce			DL HLMP - 1790 GN
0 C 11	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 DL 2	not used 1 pce			DL HLMP - 1790 GN
0 C 12	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 DS 1	55.01.0164 1 pce			DIL-Switch, PCB
0 C 13	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 1	50.62.0913 1 pce			AES-Receiver
0 C 14	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 2	50.62.0463 1 pce			4*RS 422 Line Receiver
0 C 15	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 3	50.62.0463 1 pce			4*RS 422 Line Receiver
0 C 16	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 4	50.17.0541 1 pce			IC .. 74 HCT541 .., A
0 C 17	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 5	50.17.0541 1 pce			IC .. 74 HCT541 .., A
0 C 18	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 6	50.63.4210 1 pce			PLD 10 000 gates
0 C 19	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 7	50.62.6014 1 pce			Hex inverting Schmitt trigger
0 C 20	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 8	50.17.0541 1 pce			IC .. 74 HCT541 .., A
0 C 21	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 9	50.62.0463 1 pce			4*RS 422 Line Receiver
0 C 22	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 10	1.940.986.20 1 pce			SW485 TDIFOUT (50.63.4298)
0 C 23	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 11	50.17.0541 1 pce			IC .. 74 HCT541 .., A
0 C 24	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 12	50.17.0541 1 pce			IC .. 74 HCT541 .., A
0 C 25	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 101	50.62.0913 1 pce			AES-Receiver
0 C 26	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 201	50.62.0913 1 pce			AES-Receiver
0 C 101	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 IC 301	50.62.0913 1 pce			AES-Receiver
0 C 102	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 IC 401	50.62.0913 1 pce			AES-Receiver
0 C 103	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 IC 501	50.62.0913 1 pce			AES-Receiver
0 C 104	59.60.3333 1 pce	47n		CER 50V, 10%, X7R, 0805	0 IC 601	50.62.0913 1 pce			AES-Receiver
0 C 105	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 IC 701	50.62.0913 1 pce			AES-Receiver
0 C 201	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 IC 801	50.62.0913 1 pce			AES-Receiver
0 C 202	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 J 1	54.13.0072 1 pce			D-Sub, PCB, Winkel
0 C 203	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 J 2	54.13.0072 1 pce			D-Sub, PCB, Winkel
0 C 204	59.60.3333 1 pce	47n		CER 50V, 10%, X7R, 0805	0 J 3	54.11.2009 1 pce			EU-R 3*32p
0 C 205	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 J 4	54.01.0021 1 pce			Jumper
0 C 301	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 MP 1	1.940.485.11 1 pce			D19M TDIF OUT PCB
0 C 302	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 MP 2	1.940.486.04 1 pce			TYPENSCHILD
0 C 303	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 MP 3	43.01.0108 1 pce			Label
0 C 304	59.60.3333 1 pce	47n		CER 50V, 10%, X7R, 0805	0 MP 10	1.940.486.01 1 pce			FRONTPLATTE TDIF OUT/AES IN
0 C 305	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 11	1.940.600.04 1 pce			GRIFFEINLAGE 4TE
0 C 401	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 MP 12	49.02.0520 2 pcs		M2.5*12	Rändelschraube (Rack)
0 C 402	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 MP 13	49.02.0521 2 pcs			Metall-Buchse (Rack)
0 C 403	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 MP 14	not used 1 pce		M2.5*7	Senk-Schr, KS, Senkripp
0 C 404	59.60.3333 1 pce	47n		CER 50V, 10%, X7R, 0805	0 MP 15	21.53.0284 1 pce		M2.5*16	Z-Schraube Inbus Zn gb chr
0 C 405	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 MP 16	49.02.0504 1 pce			Frontplatten-Griff
0 C 501	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 MP 17	49.02.0522 1 pce			Kartenhalter mit Z-Schr
0 C 502	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 MP 18	not used 1 pce			Kartenhalter mit Z-Schr
0 C 503	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 MP 19	28.99.0119 2 pcs			ROHRNIETE D 2.5*0.15* 9
0 C 504	59.60.3333 1 pce	47n		CER 50V, 10%, X7R, 0805	1 MP 20	54.13.0081 4 pcs		4.85mm	Bolzen UNC 4-40
0 C 505	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	1 MP 21	24.16.2025 4 pcs		2.7/5.5	Fächerschleife Form A
0 C 601	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 P 1	not used 1 pce			Stecker gerade Au
0 C 602	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 P 2	not used 1 pce			Stecker gerade Au
0 C 603	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 P 3	54.01.0020 1 pce			Pin, 1reihig, gerade
0 C 604	59.60.3333 1 pce	47n		CER 50V, 10%, X7R, 0805	0 P 4	54.01.0020 1 pce			Pin, 1reihig, gerade
0 C 605	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 P 5	54.01.0020 1 pce			Pin, 1reihig, gerade
0 C 701	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 R 1	57.60.1220 1 pce			MF, 1%, 0204, E24
0 C 702	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 R 2	57.92.7053 1 pce			PTC 30V
0 C 703	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 R 3	57.60.1103 1 pce			MF, 1%, 0204, E24
0 C 704	59.60.3333 1 pce	47n		CER 50V, 10%, X7R, 0805	0 R 4	57.60.1103 1 pce			MF, 1%, 0204, E24
0 C 705	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 5	57.60.1104 1 pce			MF, 1%, 0204, E24
0 C 801	59.68.0065 1 pce	10u		EL 16V, 4.0*5.7	0 R 6	57.60.1103 1 pce			MF, 1%, 0204, E24
0 C 802	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 R 7	57.60.1103 1 pce			MF, 1%, 0204, E24
0 C 803	59.60.3325 1 pce	10n		CER 50V, 10%, X7R, 0805	0 R 8	57.60.1221 1 pce			MF, 1%, 0204, E24
0 C 804	59.60.3333 1 pce	47n		CER 50V, 10%, X7R, 0805	0 R 9	57.60.1221 1 pce			MF, 1%, 0204, E24
0 C 805	59.60.3337 1 pce	100n		CER 50V, 10%, X7R, 0805	0 R 10	57.60.1102 1 pce			MF, 1%, 0204, E24
0 D 1	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 11	57.60.1103 1 pce			MF, 1%, 0204, E24
0 D 2	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 12	57.60.1103 1 pce			MF, 1%, 0204, E24
0 D 3	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 13	57.69.1097 1 pce			CF 5% 0603
0 D 4	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 14	57.69.1097 1 pce			CF 5% 0603
0 D 5	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 15	57.69.1097 1 pce			CF 5% 0603
0 D 6	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 16	57.69.1097 1 pce			CF 5% 0603
0 D 7	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 17	57.69.1097 1 pce			CF 5% 0603
0 D 8	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 18	57.69.1097 1 pce			CF 5% 0603
0 D 9	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 19	57.69.1097 1 pce			CF 5% 0603
0 D 10	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 20	57.69.1097 1 pce			CF 5% 0603
0 D 11	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 21	57.60.1102 1 pce			MF, 1%, 0204, E24
0 D 12	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 22	57.69.1097 1 pce			CF 5% 0603
0 D 13	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 23	57.69.1097 1 pce			CF 5% 0603
0 D 14	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 24	57.60.1470 1 pce			MF, 1%, 0204, E24
0 D 15	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 25	57.60.1470 1 pce			MF, 1%, 0204, E24
0 D 16	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 26	57.60.1470 1 pce			MF, 1%, 0204, E24
0 D 17	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 27	57.60.1470 1 pce			MF, 1%, 0204, E24
0 D 18	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 28	57.60.1470 1 pce			MF, 1%, 0204, E24
0 D 19	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 29	57.60.1470 1 pce			MF, 1%, 0204, E24
0 D 20	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 30	57.60.1470 1 pce			MF, 1%, 0204, E24
0 D 21	50.60.8001 1 pce	4448		200mA 75V 4ns SOD 80	0 R 31	57.60.1470 1 pce			MF, 1%, 0204, E24

TDIFO, TDIF Out with AES In 1.940.486.20 (1)

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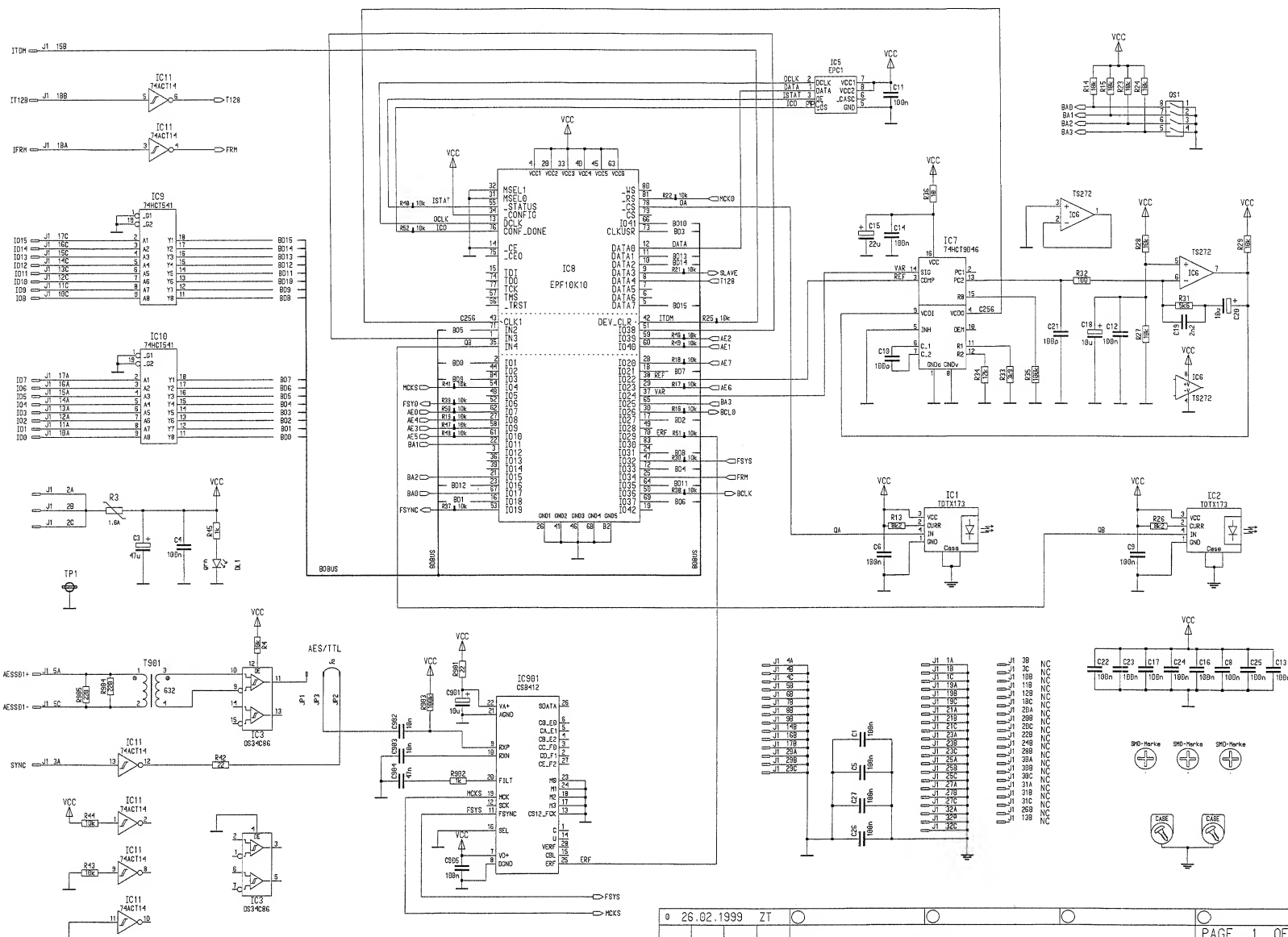
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0 R 32	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 33	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 34	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 35	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 36	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 37	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 38	57.60.1103	1 pce	10k	MF, 1%, 0204, E24					
0 R 39	57.60.1103	1 pce	10k	MF, 1%, 0204, E24					
0 R 40	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 41	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 42	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 43	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 44	57.60.1103	1 pce	10k	MF, 1%, 0204, E24					
0 R 45	57.60.1150	1 pce	15R	MF, 1%, 0204, E24					
0 R 46	57.60.1150	1 pce	15R	MF, 1%, 0204, E24					
0 R 47	57.60.1150	1 pce	15R	MF, 1%, 0204, E24					
0 R 48	57.60.1150	1 pce	15R	MF, 1%, 0204, E24					
0 R 49	57.60.1150	1 pce	15R	MF, 1%, 0204, E24					
0 R 50	57.60.1150	1 pce	15R	MF, 1%, 0204, E24					
0 R 51	57.60.1470	1 pce	47R	MF, 1%, 0204, E24					
0 R 52	57.60.1470	1 pce	47R	MF, 1%, 0204, E24					
0 R 53	57.60.1470	1 pce	47R	MF, 1%, 0204, E24					
0 R 54	57.60.1470	1 pce	47R	MF, 1%, 0204, E24					
0 R 55	57.60.1470	1 pce	47R	MF, 1%, 0204, E24					
0 R 56	not used	1 pce	1k0	MF, 1%, 0204, E24					
0 R 57	not used	1 pce	0R0	MF, 0204					
0 R 58	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 59	57.69.1097	1 pce	10k	CF 5% 0603					
0 R 101	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 102	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24					
0 R 103	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 104	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 201	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 202	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24					
0 R 203	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 204	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 301	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 302	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24					
0 R 303	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 304	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 401	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 402	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24					
0 R 403	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 404	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 501	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 502	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24					
0 R 503	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 504	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 601	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 602	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24					
0 R 603	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 604	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 701	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 702	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24					
0 R 703	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 704	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 801	57.60.1220	1 pce	22R	MF, 1%, 0204, E24					
0 R 802	57.60.1102	1 pce	1k0	MF, 1%, 0204, E24					
0 R 803	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 804	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 T 1	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER					
0 T 101	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER					
0 T 201	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER					
0 T 301	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER					
0 T 401	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER					
0 T 501	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER					
0 T 601	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER					
0 T 701	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER					
0 T 801	1.022.632.00	1 pce	1:1	DI/DO TRANSFORMER					
0 TP 1	54.02.0320	1 pce	1p	PCB-Flachst 2.8*0.8, gerade					
0 XDL 1	50.20.2501	1 pce	Spacer	LED-Socket					
0 XIC 6	53.03.2284	1 pce	84p	PLCC-Socket					
0 XIC 10	53.03.0166	1 pce	8p	DIL 0.3", 16t, gerade					

End of List

(01) Additionally MP20 and MP21

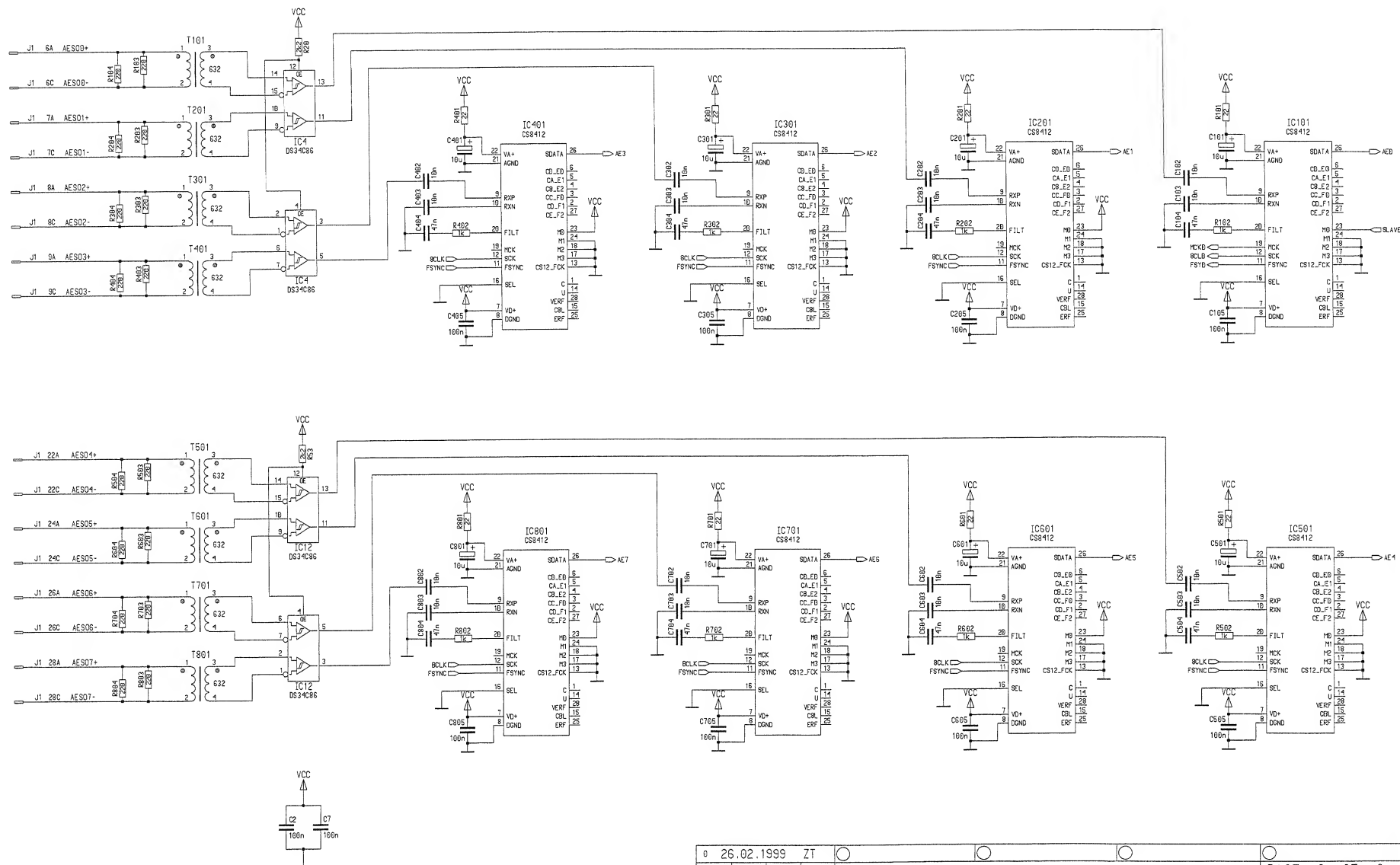
D19m ADAT Out 1.940.495.20

D19m ADAT Out with AES In 1.940.496.20



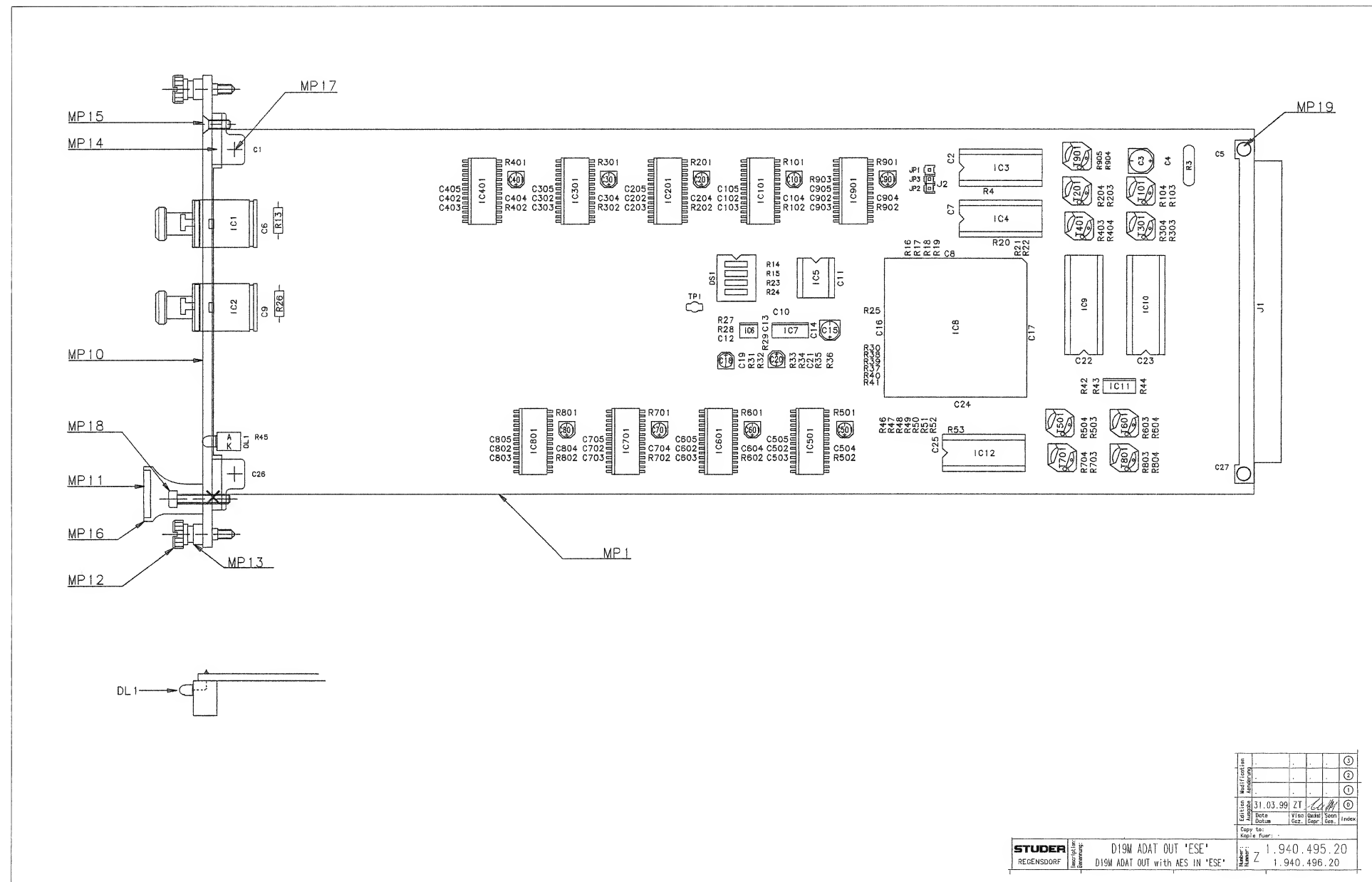
D19m ADAT Out 1.940.495.20

D19m ADAT Out with AES In 1.940.496.20



D19m ADAT Out 1.940.495.20

D19m ADAT Out with AES In 1.940.496.20



D19M ADAT OUT 1.940.495.20 (1)

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Idx.	Pos.	Part No.	Qty.	Typ/Val.	Description	Idx.	Pos.	Part No.	Qty.	Typ/Val.	Description
0	C 1	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 201	not used		CS8412	AES-Receiver
0	C 2	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 301	not used		CS8412	AES-Receiver
0	C 3	59.68.0069	47u		EL 16V, 6.3*5.7	0	IC 401	not used		CS8412	AES-Receiver
0	C 4	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 501	not used		CS8412	AES-Receiver
0	C 5	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 601	not used		CS8412	AES-Receiver
0	C 6	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 701	not used		CS8412	AES-Receiver
0	C 7	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 801	not used		CS8412	AES-Receiver
0	C 8	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	IC 901	not used		CS8412	AES-Receiver
0	C 9	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	J 1	54.11.2009	96p	EU-R 3*32p	
0	C 10	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0	J 2	not used		Jumper	0.63*0.63mm, Au
0	C 11	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	JP 1	not used		1p	Pin, 1reihig, gerade
0	C 12	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	JP 2	not used		1p	Pin, 1reihig, gerade
0	C 13	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	JP 3	not used		1p	Pin, 1reihig, gerade
0	C 14	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 1	1.940.495.11			D19M ADAT OUT PCB
0	C 15	59.68.0067	22u		EL 16V, 5.0*5.7	0	MP 2	1.940.495.04			TYPENSCHILD
0	C 16	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 3	1.101.001.20		Label	TEXT-ETIK. 5*20 HARDWARE -20
0	C 17	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 4	43.01.0108		Label	ESE-WARNschild
0	C 18	59.68.0065	10u		EL 16V, 4.0*5.7	0	MP 10	1.940.495.01	1 pce		FRONTPLATTE ADATO
0	C 19	59.60.3317	2n2		CER 50V, 10%, X7R, 0805	0	MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE
0	C 20	59.68.0065	10u		EL 16V, 4.0*5.7	0	MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)
0	C 21	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0	MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)
0	C 22	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 14	49.02.0522	2 pcs		Kartenhalter mit Z-Schr
0	C 23	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 15	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp
0	C 24	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff
0	C 25	59.60.3337	100n		CER 50V, 10%, X7R, 0805	1	MP 17	not used	2 pcs	M2.5*6	Z-Schraube Inbus Zn gb chr
0	C 26	59.60.3337	100n		CER 50V, 10%, X7R, 0805						Schraube ist in MP14 (49.02.0522 Kartenhalter) enthalten
0	C 27	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0	MP 18	21.53.0284	1 pce	M2.5*16	Z-Schraube Inbus Zn gb chr
0	C 101	not used	10u		EL 16V, 4.0*5.7	0	MP 19	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9
0	C 102	not used	10n		CER 50V, 10%, X7R, 0805	0	R 3	57.92.7053		1.6A	PTC 30V
0	C 103	not used	10n		CER 50V, 10%, X7R, 0805	0	R 4	not used		10k	MF, 1%, 0204, E24
0	C 104	not used	47n		CER 50V, 10%, X7R, 0805	0	R 13	57.11.3822		8k2	MF, 1%, 0207
0	C 105	not used	100n		CER 50V, 10%, X7R, 0805	0	R 14	57.60.1103		10k	MF, 1%, 0204, E24
0	C 201	not used	10u		EL 16V, 4.0*5.7	0	R 15	57.60.1103		10k	MF, 1%, 0204, E24
0	C 202	not used	10n		CER 50V, 10%, X7R, 0805	0	R 16	57.69.1097		10k	CF 5% 0603
0	C 203	not used	10n		CER 50V, 10%, X7R, 0805	0	R 17	57.69.1097		10k	CF 5% 0603
0	C 204	not used	47n		CER 50V, 10%, X7R, 0805	0	R 18	57.69.1097		10k	CF 5% 0603
0	C 205	not used	100n		CER 50V, 10%, X7R, 0805	0	R 19	57.69.1097		10k	CF 5% 0603
0	C 301	not used	10u		EL 16V, 4.0*5.7	0	R 20	not used		2k2	MF, 1%, 0204, E24
0	C 302	not used	10n		CER 50V, 10%, X7R, 0805	0	R 21	57.69.1097		10k	CF 5% 0603
0	C 303	not used	10n		CER 50V, 10%, X7R, 0805	0	R 22	57.69.1097		10k	CF 5% 0603
0	C 304	not used	47n		CER 50V, 10%, X7R, 0805	0	R 23	57.60.1103		10k	MF, 1%, 0204, E24
0	C 305	not used	100n		CER 50V, 10%, X7R, 0805	0	R 24	57.60.1103		10k	MF, 1%, 0204, E24
0	C 401	not used	10u		EL 16V, 4.0*5.7	0	R 25	57.69.1097		10k	CF 5% 0603
0	C 402	not used	10n		CER 50V, 10%, X7R, 0805	0	R 26	57.11.3822		8k2	MF, 1%, 0207
0	C 403	not used	10n		CER 50V, 10%, X7R, 0805	0	R 27	57.60.1103		10k	MF, 1%, 0204, E24
0	C 404	not used	47n		CER 50V, 10%, X7R, 0805	0	R 28	57.60.1103		10k	MF, 1%, 0204, E24
0	C 405	not used	100n		CER 50V, 10%, X7R, 0805	0	R 29	57.60.1103		10k	MF, 1%, 0204, E24
0	C 501	not used	10u		EL 16V, 4.0*5.7	0	R 30	57.69.1097		10k	CF 5% 0603
0	C 502	not used	10n		CER 50V, 10%, X7R, 0805	0	R 31	57.60.1562		5k6	MF, 1%, 0204, E24
0	C 503	not used	10n		CER 50V, 10%, X7R, 0805	0	R 32	57.60.1101		100R	MF, 1%, 0204, E24
0	C 504	not used	47n		CER 50V, 10%, X7R, 0805	0	R 33	57.60.1392		3k9	MF, 1%, 0204, E24
0	C 505	not used	100n		CER 50V, 10%, X7R, 0805	0	R 34	57.60.1123		12k	MF, 1%, 0204, E24
0	C 601	not used	10u		EL 16V, 4.0*5.7	0	R 35	57.60.1104		100k	MF, 1%, 0204, E24
0	C 602	not used	10n		CER 50V, 10%, X7R, 0805	0	R 36	57.60.1100		10R	MF, 1%, 0204, E24
0	C 603	not used	10n		CER 50V, 10%, X7R, 0805	0	R 37	57.69.1097		10k	CF 5% 0603
0	C 604	not used	47n		CER 50V, 10%, X7R, 0805	0	R 38	57.69.1097		10k	CF 5% 0603
0	C 605	not used	100n		CER 50V, 10%, X7R, 0805	0	R 39	57.69.1097		10k	CF 5% 0603
0	C 701	not used	10u		EL 16V, 4.0*5.7	0	R 40	57.69.1097		10k	CF 5% 0603
0	C 702	not used	10n		CER 50V, 10%, X7R, 0805	0	R 41	57.69.1097		10k	CF 5% 0603
0	C 703	not used	10n		CER 50V, 10%, X7R, 0805	0	R 42	not used		22R	MF, 1%, 0204, E24
0	C 704	not used	47n		CER 50V, 10%, X7R, 0805	0	R 43	57.60.1103		10k	MF, 1%, 0204, E24
0	C 705	not used	100n		CER 50V, 10%, X7R, 0805	0	R 44	57.60.1103		10k	MF, 1%, 0204, E24
0	C 801	not used	10u		EL 16V, 4.0*5.7	0	R 45	57.60.1102		1k0	MF, 1%, 0204, E24
0	C 802	not used	10n		CER 50V, 10%, X7R, 0805	0	R 46	57.69.1097		10k	CF 5% 0603
0	C 803	not used	10n		CER 50V, 10%, X7R, 0805	0	R 47	57.69.1097		10k	CF 5% 0603
0	C 804	not used	47n		CER 50V, 10%, X7R, 0805	0	R 48	57.69.1097		10k	CF 5% 0603
0	C 805	not used	100n		CER 50V, 10%, X7R, 0805	0	R 49	57.69.1097		10k	CF 5% 0603
0	C 901	not used	10u		EL 16V, 4.0*5.7	0	R 50	57.69.1097		10k	CF 5% 0603
0	C 902	not used	10n		CER 50V, 10%, X7R, 0805	0	R 51	57.69.1097		10k	CF 5% 0603
0	C 903	not used	10n		CER 50V, 10%, X7R, 0805	0	R 52	57.69.1097		10k	CF 5% 0603
0	C 904	not used	47n		CER 50V, 10%, X7R, 0805	0	R 53	not used		2k2	MF, 1%, 0204, E24
0	C 905	not used	100n		CER 50V, 10%, X7R, 0805	0	R 101	not used		22R	MF, 1%, 0204, E24
0	DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN	0	R 102	not used		1k0	MF, 1%, 0204, E24
0	DS 1	55.01.0164		4*a	DIL-Switch, PCB	0	R 103	not used		220R	MF, 1%, 0204, E24
0	IC 1	89.10.0111		TOTX173	Toslink Transmitter	0	R 104	not used		220R	MF, 1%, 0204, E24
0	IC 2	89.10.0111		TOTX173	Toslink Transmitter	0	R 201	not used		22R	MF, 1%, 0204, E24
0	IC 3	not used		34C86	IC DS 34 C 86 TN, MC34C86P .A	0	R 202	not used		1k0	MF, 1%, 0204, E24
0	IC 4	not used		34C86	IC DS 34 C 86 TN, MC34C86P .A	0	R 203	not used		220R	MF, 1%, 0204, E24
0	IC 5	1.940.954.20			SW 495 ADATO (50.63.4298)	0	R 204	not used		220R	MF, 1%, 0204, E24
0	IC 6	50.61.0205		TS272CD	Dual Op-Amp CMOS SO 8	0	R 301	not used		22R	MF, 1%, 0204, E24
0	IC 7	50.62.4946		74HCT9046	PLL with bandgap contr VCO	0	R 302	not used		1k0	MF, 1%, 0204, E24
0	IC 8	50.63.4210		EPF10K10	PLD 10 000 gates	0	R 303	not used		220R	MF, 1%, 0204, E24
0	IC 9	50.17.0541		74HCT541	IC .. 74 HCT541 .. ,A	0	R 304	not used		220R	MF, 1%, 0204, E24
0	IC 10	50.17.0541		74HCT541	IC .. 74 HCT541 .. ,A	0	R 401	not used		22R	MF, 1%, 0204, E24
0	IC 11	50.62.6014		74ACT 14	Hex inverting Schmitt trigger	0	R 402	not used		1k0	MF, 1%, 0204, E24
0	IC 12	not used		34C86	IC DS 34 C 86 TN, MC34C86P .A	0	R 403	not used		220R	MF, 1%, 0204, E24
0	IC 101	not used		CS8412	AES-Receiver	0	R 404	not used		220R	MF, 1%, 0204, E24

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Idx.	Pos.	Part No.	Qty.	Type/Val.	Description	Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 501	not used		22R	MF, 1%, 0204, E24						
0	R 502	not used		1k0	MF, 1%, 0204, E24						
0	R 503	not used		220R	MF, 1%, 0204, E24						
0	R 504	not used		220R	MF, 1%, 0204, E24						
0	R 601	not used		22R	MF, 1%, 0204, E24						
0	R 602	not used		1k0	MF, 1%, 0204, E24						
0	R 603	not used		220R	MF, 1%, 0204, E24						
0	R 604	not used		220R	MF, 1%, 0204, E24						
0	R 701	not used		22R	MF, 1%, 0204, E24						
0	R 702	not used		1k0	MF, 1%, 0204, E24						
0	R 703	not used		220R	MF, 1%, 0204, E24						
0	R 704	not used		220R	MF, 1%, 0204, E24						
0	R 801	not used		22R	MF, 1%, 0204, E24						
0	R 802	not used		1k0	MF, 1%, 0204, E24						
0	R 803	not used		220R	MF, 1%, 0204, E24						
0	R 804	not used		220R	MF, 1%, 0204, E24						
0	R 901	not used		22R	MF, 1%, 0204, E24						
0	R 902	not used		1k0	MF, 1%, 0204, E24						
0	R 903	not used		100k	MF, 1%, 0204, E24						
0	R 904	not used		220R	MF, 1%, 0204, E24						
0	R 905	not used		220R	MF, 1%, 0204, E24						
0	T 101	not used		1:1	DI/DO TRANSFORMER						
0	T 201	not used		1:1	DI/DO TRANSFORMER						
0	T 301	not used		1:1	DI/DO TRANSFORMER						
0	T 401	not used		1:1	DI/DO TRANSFORMER						
0	T 501	not used		1:1	DI/DO TRANSFORMER						
0	T 601	not used		1:1	DI/DO TRANSFORMER						
0	T 701	not used		1:1	DI/DO TRANSFORMER						
0	T 801	not used		1:1	DI/DO TRANSFORMER						
0	T 901	not used		1:1	DI/DO TRANSFORMER						
0	TP 1	54.33.6010		2.8*0.8	PCB-Flachstecker, gerade						
0	XDL 1	50.20.2501		Spacer	LED-Sockel						
0	XIC 3	not used		16p	DIL 0.3", lötl, gerade						
0	XIC 4	not used		16p	DIL 0.3", lötl, gerade						
0	XIC 5	53.03.0166		8p	DIL 0.3", lötl, gerade						
0	XIC 8	53.03.2284		84p	PLCC-Socket						
0	XIC 9	53.03.0165		20p	DIL 0.3", lötl, gerade						
0	XIC 10	53.03.0165		20p	DIL 0.3", lötl, gerade						
0	XIC 12	not used		16p	DIL 0.3", lötl, gerade						

End of List

(1) 12.04.00 MP 17 not used

D19M ADATO with AES IN 1.940.496.20 (1)

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Idx. Pos.	Part No.	Qty.	Typv/Val.	Description	Idx. Pos.	Part No.	Qty.	Typv/Val.	Description
0 C 1	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 201	50.62.0913		CS8412	AES-Receiver
0 C 2	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 301	50.62.0913		CS8412	AES-Receiver
0 C 3	59.68.0069	47u		EL 16V, 6.3*5.7	0 IC 401	50.62.0913		CS8412	AES-Receiver
0 C 4	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 501	50.62.0913		CS8412	AES-Receiver
0 C 5	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 601	50.62.0913		CS8412	AES-Receiver
0 C 6	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 701	50.62.0913		CS8412	AES-Receiver
0 C 7	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 801	50.62.0913		CS8412	AES-Receiver
0 C 8	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 IC 901	50.62.0913		CS8412	AES-Receiver
0 C 9	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 J 1	54.11.2009		96p	EU-R 3*32p
0 C 10	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0 J 2	54.01.0021		Jumper	0.63*0.63mm, Au
0 C 11	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 JP 1	54.01.0020		1p	Pin, 1reihig, gerade
0 C 12	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 JP 2	54.01.0020		1p	Pin, 1reihig, gerade
0 C 13	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 JP 3	54.01.0020		1p	Pin, 1reihig, gerade
0 C 14	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 1	1.940.495.11			D19M ADAT OUT PCB
0 C 15	59.68.0067	22u		EL 16V, 5.0*5.7	0 MP 2	1.940.496.04			TYPENSCHILD
0 C 16	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 3	1.101.001.20		Label	TEXT-ETIK. 5*20 HARDWARE -20
0 C 17	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 4	43.01.0108		Label	ESE-WARNschild
0 C 18	59.68.0065	10u		EL 16V, 4.0*5.7	0 MP 10	1.940.495.01	1 pce		FRONTPLATTE ADATO
0 C 19	59.60.3317	2n2		CER 50V, 10%, X7R, 0805	0 MP 11	1.940.600.04	1 pce		GRIFFEINLAGE 4TE
0 C 20	59.68.0065	10u		EL 16V, 4.0*5.7	0 MP 12	49.02.0520	2 pcs	M2.5*12	Rändelschraube (Rack)
0 C 21	59.60.2249	100p		CER 50V, 5%, C0G, 0603	0 MP 13	49.02.0521	2 pcs		Metall-Buchse (Rack)
0 C 22	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 14	49.02.0522	2 pcs		Kartenhalter mit Z-Schr
0 C 23	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 15	49.02.0523	1 pce	M2.5*7	Senk-Schr, KS, Senkripp
0 C 24	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 16	49.02.0504	1 pce	4TE	Frontplatten-Griff
0 C 25	59.60.3337	100n		CER 50V, 10%, X7R, 0805	1 MP 17	not used	2 pcs	M2.5*6	Schraube ist in MP14 (49.02.0522 Kartenhalter) enthalten
0 C 26	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 18	21.53.0284	1 pce	M2.5*16	Z-Schraube Inbus Zn gb chr
0 C 27	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 MP 19	28.99.0119	2 pcs		Z-Schraube Inbus Zn gb chr
0 C 101	59.68.0065	10u		EL 16V, 4.0*5.7	0 R 3	57.92.7053		1.6A	PTC 30V
0 C 102	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 4	57.60.1103		10k	MF, 1%, 0204, E24
0 C 103	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 13	57.11.3822		8k2	MF, 1%, 0207
0 C 104	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 R 14	57.60.1103		10k	MF, 1%, 0204, E24
0 C 105	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 15	57.60.1103		10k	MF, 1%, 0204, E24
0 C 201	59.68.0065	10u		EL 16V, 4.0*5.7	0 R 16	57.69.1097		10k	CF 5% 0603
0 C 202	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 17	57.69.1097		10k	CF 5% 0603
0 C 203	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 18	57.69.1097		10k	CF 5% 0603
0 C 204	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 R 19	57.69.1097		10k	CF 5% 0603
0 C 205	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 20	57.60.1222		2k2	MF, 1%, 0204, E24
0 C 301	59.68.0065	10u		EL 16V, 4.0*5.7	0 R 21	57.69.1097		10k	CF 5% 0603
0 C 302	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 22	57.69.1097		10k	CF 5% 0603
0 C 303	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 23	57.60.1103		10k	MF, 1%, 0204, E24
0 C 304	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 R 24	57.60.1103		10k	MF, 1%, 0204, E24
0 C 305	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 25	57.69.1097		10k	CF 5% 0603
0 C 401	59.68.0065	10u		EL 16V, 4.0*5.7	0 R 26	57.11.3822		8k2	MF, 1%, 0207
0 C 402	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 27	57.60.1103		10k	MF, 1%, 0204, E24
0 C 403	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 28	57.60.1103		10k	MF, 1%, 0204, E24
0 C 404	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 R 29	57.60.1103		10k	MF, 1%, 0204, E24
0 C 405	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 30	57.69.1097		10k	CF 5% 0603
0 C 501	59.68.0065	10u		EL 16V, 4.0*5.7	0 R 31	57.60.1562		5k6	MF, 1%, 0204, E24
0 C 502	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 32	57.60.1101		100R	MF, 1%, 0204, E24
0 C 503	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 33	57.60.1392		3k9	MF, 1%, 0204, E24
0 C 504	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 R 34	57.60.1123		12k	MF, 1%, 0204, E24
0 C 505	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 35	57.60.1104		100k	MF, 1%, 0204, E24
0 C 601	59.68.0065	10u		EL 16V, 4.0*5.7	0 R 36	57.60.1100		10R	MF, 1%, 0204, E24
0 C 602	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 37	57.69.1097		10k	CF 5% 0603
0 C 603	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 38	57.69.1097		10k	CF 5% 0603
0 C 604	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 R 39	57.69.1097		10k	CF 5% 0603
0 C 605	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 40	57.69.1097		10k	CF 5% 0603
0 C 701	59.68.0065	10u		EL 16V, 4.0*5.7	0 R 41	57.69.1097		10k	CF 5% 0603
0 C 702	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 42	57.60.1220		22R	MF, 1%, 0204, E24
0 C 703	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 43	57.60.1103		10k	MF, 1%, 0204, E24
0 C 704	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 R 44	57.60.1103		10k	MF, 1%, 0204, E24
0 C 705	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 45	57.60.1102		1k0	MF, 1%, 0204, E24
0 C 801	59.68.0065	10u		EL 16V, 4.0*5.7	0 R 46	57.69.1097		10k	CF 5% 0603
0 C 802	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 47	57.69.1097		10k	CF 5% 0603
0 C 803	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 48	57.69.1097		10k	CF 5% 0603
0 C 804	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 R 49	57.69.1097		10k	CF 5% 0603
0 C 805	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 50	57.69.1097		10k	CF 5% 0603
0 C 901	59.68.0065	10u		EL 16V, 4.0*5.7	0 R 51	57.69.1097		10k	CF 5% 0603
0 C 902	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 52	57.69.1097		10k	CF 5% 0603
0 C 903	59.60.3325	10n		CER 50V, 10%, X7R, 0805	0 R 53	57.60.1222		2k2	MF, 1%, 0204, E24
0 C 904	59.60.3333	47n		CER 50V, 10%, X7R, 0805	0 R 101	57.60.1220		22R	MF, 1%, 0204, E24
0 C 905	59.60.3337	100n		CER 50V, 10%, X7R, 0805	0 R 102	57.60.1102		1k0	MF, 1%, 0204, E24
0 DL 1	50.04.2202		HLMP1790	DL HLMP - 1790 GN	0 R 103	57.60.1221		220R	MF, 1%, 0204, E24
0 DS 1	55.01.0164		4*a	DIL-Switch, PCB	0 R 104	57.60.1221		220R	MF, 1%, 0204, E24
0 IC 1	89.10.0111		TOTX173	Toslink Transmitter	0 R 201	57.60.1220		22R	MF, 1%, 0204, E24
0 IC 2	89.10.0111		TOTX173	Toslink Transmitter	0 R 202	57.60.1102		1k0	MF, 1%, 0204, E24
0 IC 3	50.15.0128		34C86	IC DS 34 C 86 TN, MC34C86P ,A	0 R 203	57.60.1221		220R	MF, 1%, 0204, E24
0 IC 4	50.15.0128		34C86	IC DS 34 C 86 TN, MC34C86P ,A	0 R 204	57.60.1221		220R	MF, 1%, 0204, E24
0 IC 5	1.940.954.20			SW 495 ADATO (50.63.4298)	0 R 301	57.60.1220		220R	MF, 1%, 0204, E24
0 IC 6	50.61.0205		TS272CD	Dual Op-Amp CMOS SO 8	0 R 302	57.60.1102		1k0	MF, 1%, 0204, E24
0 IC 7	50.62.4946		74HCT9046	PLL with bandgap contr VCO	0 R 303	57.60.1221		220R	MF, 1%, 0204, E24
0 IC 8	50.63.4210		EPF10K10	PLD 10 000 gates	0 R 304	57.60.1221		220R	MF, 1%, 0204, E24
0 IC 9	50.17.0541		74HCT541	IC .. 74 HCT541 .. ,A	0 R 401	57.60.1220		22R	MF, 1%, 0204, E24
0 IC 10	50.17.0541		74HCT541	IC .. 74 HCT541 .. ,A	0 R 402	57.60.1102		1k0	MF, 1%, 0204, E24
0 IC 11	50.62.8014		74ACT 14	Hex inverting Schmitt trigger	0 R 403	57.60.1221		220R	MF, 1%, 0204, E24
0 IC 12	50.15.0128		34C86	IC DS 34 C 86 TN, MC34C86P ,A	0 R 404	57.60.1221		220R	MF, 1%, 0204, E24
0 IC 101	50.62.0913		CS8412	AES-Receiver					

D19M ADATO with AES IN 1.940.496.20 (1)

Page: 2 of 2

Idx.	Pos.	Part No.	Qty.	Typo/Val.	Description	Idx.	Pos.	Part No.	Qty.	Typo/Val.	Description
0	R 501	57.60.1220		22R	MF, 1%, 0204, E24						
0	R 502	57.60.1102		1k0	MF, 1%, 0204, E24						
0	R 503	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 504	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 601	57.60.1220		22R	MF, 1%, 0204, E24						
0	R 602	57.60.1102		1k0	MF, 1%, 0204, E24						
0	R 603	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 604	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 701	57.60.1220		22R	MF, 1%, 0204, E24						
0	R 702	57.60.1102		1k0	MF, 1%, 0204, E24						
0	R 703	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 704	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 801	57.60.1220		22R	MF, 1%, 0204, E24						
0	R 802	57.60.1102		1k0	MF, 1%, 0204, E24						
0	R 803	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 804	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 901	57.60.1220		22R	MF, 1%, 0204, E24						
0	R 902	57.60.1102		1k0	MF, 1%, 0204, E24						
0	R 903	57.60.1104		100k	MF, 1%, 0204, E24						
0	R 904	57.60.1221		220R	MF, 1%, 0204, E24						
0	R 905	57.60.1221		220R	MF, 1%, 0204, E24						
0	T 101	1.022.632.00		1:1	DI/DO TRANSFORMER						
0	T 201	1.022.632.00		1:1	DI/DO TRANSFORMER						
0	T 301	1.022.632.00		1:1	DI/DO TRANSFORMER						
0	T 401	1.022.632.00		1:1	DI/DO TRANSFORMER						
0	T 501	1.022.632.00		1:1	DI/DO TRANSFORMER						
0	T 601	1.022.632.00		1:1	DI/DO TRANSFORMER						
0	T 701	1.022.632.00		1:1	DI/DO TRANSFORMER						
0	T 801	1.022.632.00		1:1	DI/DO TRANSFORMER						
0	T 901	1.022.632.00		1:1	DI/DO TRANSFORMER						
0	TP 1	54.33.6010		2.8*0.8	PCB-Flachstecker, gerade						
0	XDL 1	50.20.2501		Spacer	LED-Sockel						
0	XIC 3	53.03.0168		16p	DIL 0.3", lötl, gerade						
0	XIC 4	53.03.0168		16p	DIL 0.3", lötl, gerade						
0	XIC 5	53.03.0166		8p	DIL 0.3", lötl, gerade						
0	XIC 8	53.03.2284		84p	PLCC-Socket						
0	XIC 9	53.03.0165		20p	DIL 0.3", lötl, gerade						
0	XIC 10	53.03.0165		20p	DIL 0.3", lötl, gerade						
0	XIC 12	53.03.0168		16p	DIL 0.3", lötl, gerade						

End of List

Comments:

(1) 12.04.00 MP 17 not used

CIRCUIT DIAGRAMS: D19m CONNECTION UNITS

* Connection Unit S39m, gold contacts (analog I/O).....	1.940.609
Connection Unit S39m (analog I/O).....	1.940.610
<i>(* identical with 1.940.610 except the gold contacts)</i>	
Connection Unit 4 × BNC (AES/EBU In).....	1.940.611
Connection Unit 4 × BNC (AES/EBU Out)	1.940.612
Connection Unit S30f (analog In).....	1.940.613
Connection Unit S30m (analog Out)	1.940.614
Connection Unit D15f (AES/EBU In)	1.940.615
Connection Unit D15m (AES/EBU Out).....	1.940.616
Connection Unit 4 × XLR3f (AES/EBU In).....	1.940.617
Connection Unit 4 × XLR3m (AES/EBU Out)	1.940.618
Connection Unit 2 × D25f (GPI/O)	1.940.619
Connection Unit D15f (analog In)	1.940.625
Connection Unit D15m (analog Out).....	1.940.626
Connection Unit 4 × XLR3f (analog In).....	1.940.627
Connection Unit 4 × XLR3m (analog Out)	1.940.628
Connection Unit 2 × D25f (control port).....	1.940.630
Connection Unit 4 × Bantam Jack (analog insert).....	1.940.631
Connection Unit 4 × D25m (dual TDIF I/O)	1.940.632
Connection Unit 4 × BNC (WCLK Out).....	1.940.633
Connection Unit 2 × D15f (AES/EBU or analog In).....	1.940.635
Connection Unit 2 × D15m (AES/EBU or analog Out)	1.940.636
Connection Unit 4 × XLR3f (AES/EBU In).....	1.940.637
Connection Unit 4 × XLR3m (AES/EBU Out)	1.940.638
Connection Unit S30f, gold contacts (analog Out)	1.940.640
Connection Unit 4 × BNC (AES/EBU In).....	1.940.641
Connection Unit 4 × BNC (AES/EBU Out)	1.940.642

C: 1n

Flat cable 16p

IN/OUT CH1+ P1 1

IN/OUT CH1- P1 2

MGND P1 3

MGND P1 4

IN/OUT CH2- P1 5

IN/OUT CH2+ P1 6

NC P1 7

NC P1 8

NC P1 9

NC P1 10

IN/OUT CH4+ P1 11

IN/OUT CH4- P1 12

MGND P1 13

MGND P1 14

IN/OUT CH3- P1 15

IN/OUT CH3+ P1 16

Flat cable 16p

IN/OUT CH5+ P2 1

IN/OUT CH5- P2 2

MGND P2 3

MGND P2 4

IN/OUT CH6- P2 5

IN/OUT CH6+ P2 6

NC P2 7

NC P2 8

NC P2 9

NC P2 10

IN/OUT CH8+ P2 11

IN/OUT CH8- P2 12

MGND P2 13

MGND P2 14

IN/OUT CH7- P2 15

IN/OUT CH8+ P2 16

Flat cable 16p

IN/OUT CH9+ P3 1

IN/OUT CH9- P3 2

MGND P3 3

MGND P3 4

IN/OUT CH10- P3 5

IN/OUT CH10+ P3 6

NC P3 7

NC P3 8

NC P3 9

NC P3 10

IN/OUT CH12+ P3 11

IN/OUT CH12- P3 12

MGND P3 13

MGND P3 14

IN/OUT CH11- P3 15

IN/OUT CH11+ P3 16

C: 8x220p

C: 8x220p

C: 8x220p

C: 1n

SIEM.-CONN. MALE

1 1

2 2

3 3

4 4

5 5

6 6

7 7

8 8

9 9

10 10

11 11

12 12

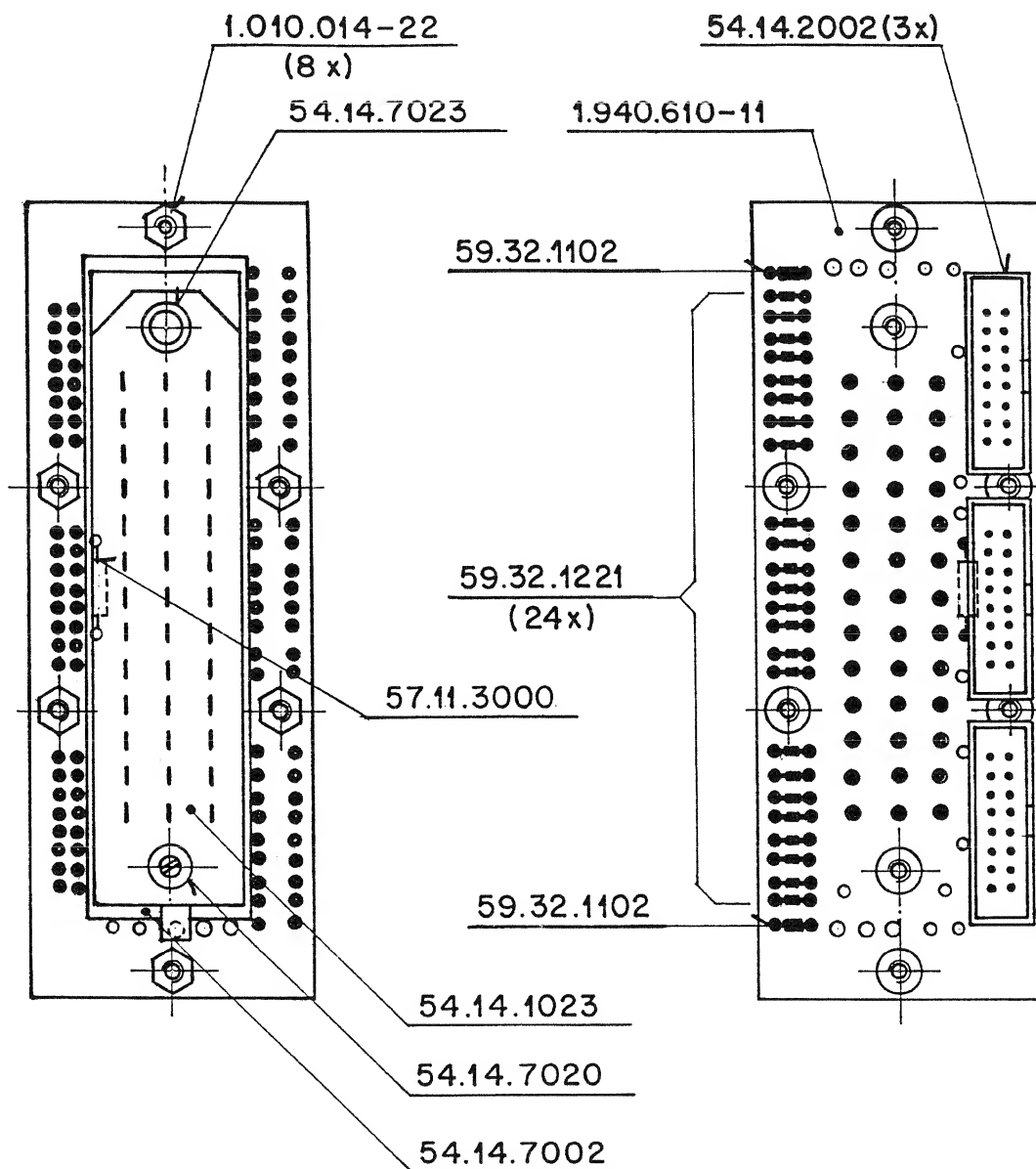
13 13

a c

a c

① 16.7.97 GE				
PCB-S39M-ANA				PAGE 1 OF 1
STUDER REGENSDORF SWITZERLAND	CONNECTION BOARD S-39M C4AD/C4DA-CARD			1.940.610

Connection Board S-39M C4AD / C4DA-Card 1.940.610.00



Ausgabe	19.2.97	Gez.	Gepr.	Ges.	Index	3
						2
						1
						0
Kopie für:						
Benennung: S 39 M CONNECTION UNIT						Nummer: 1.940.610-00

STUDER
REGENSDORF
ZÜRICH

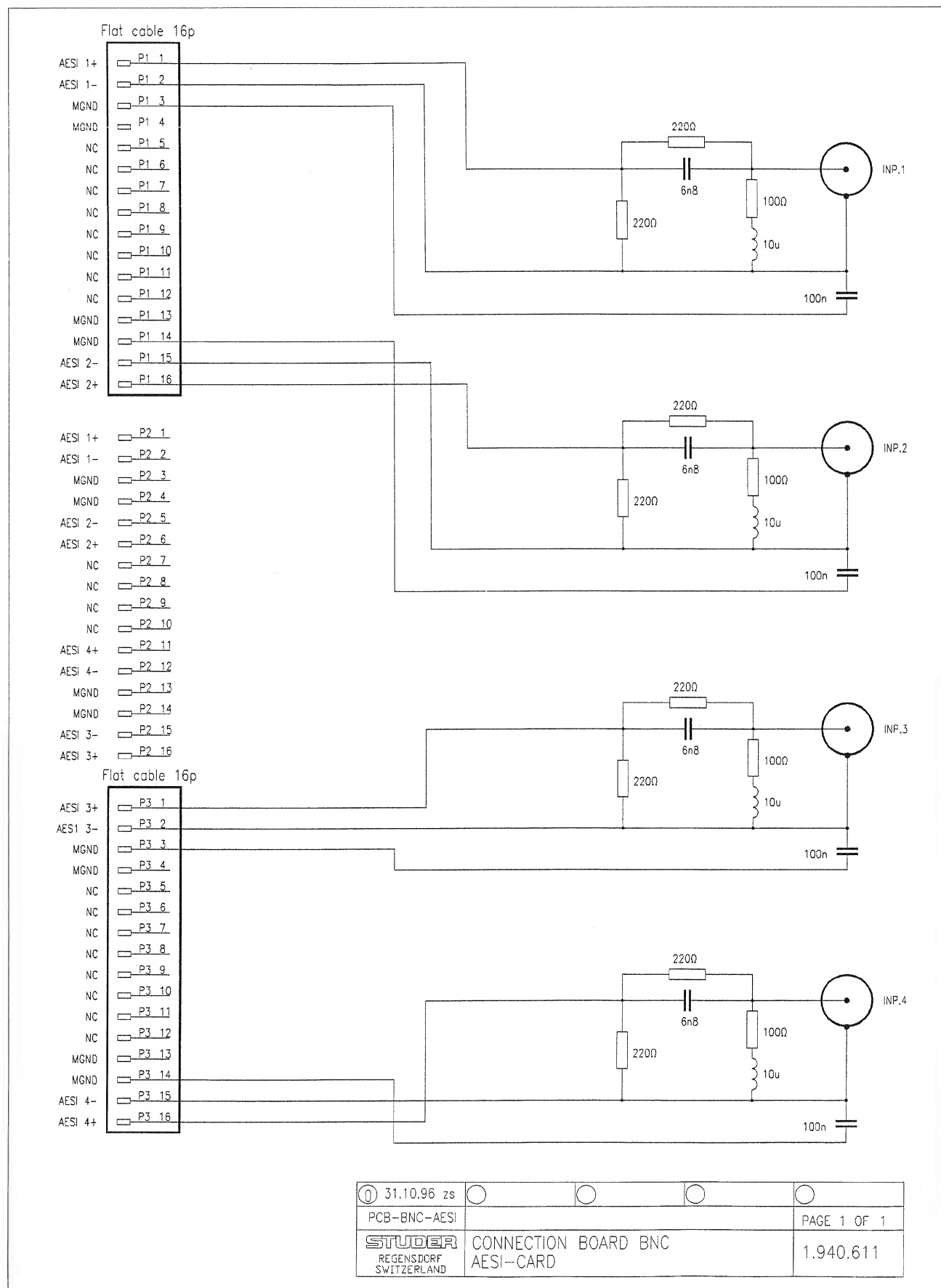
Benennung:

S 39 M CONNECTION UNIT

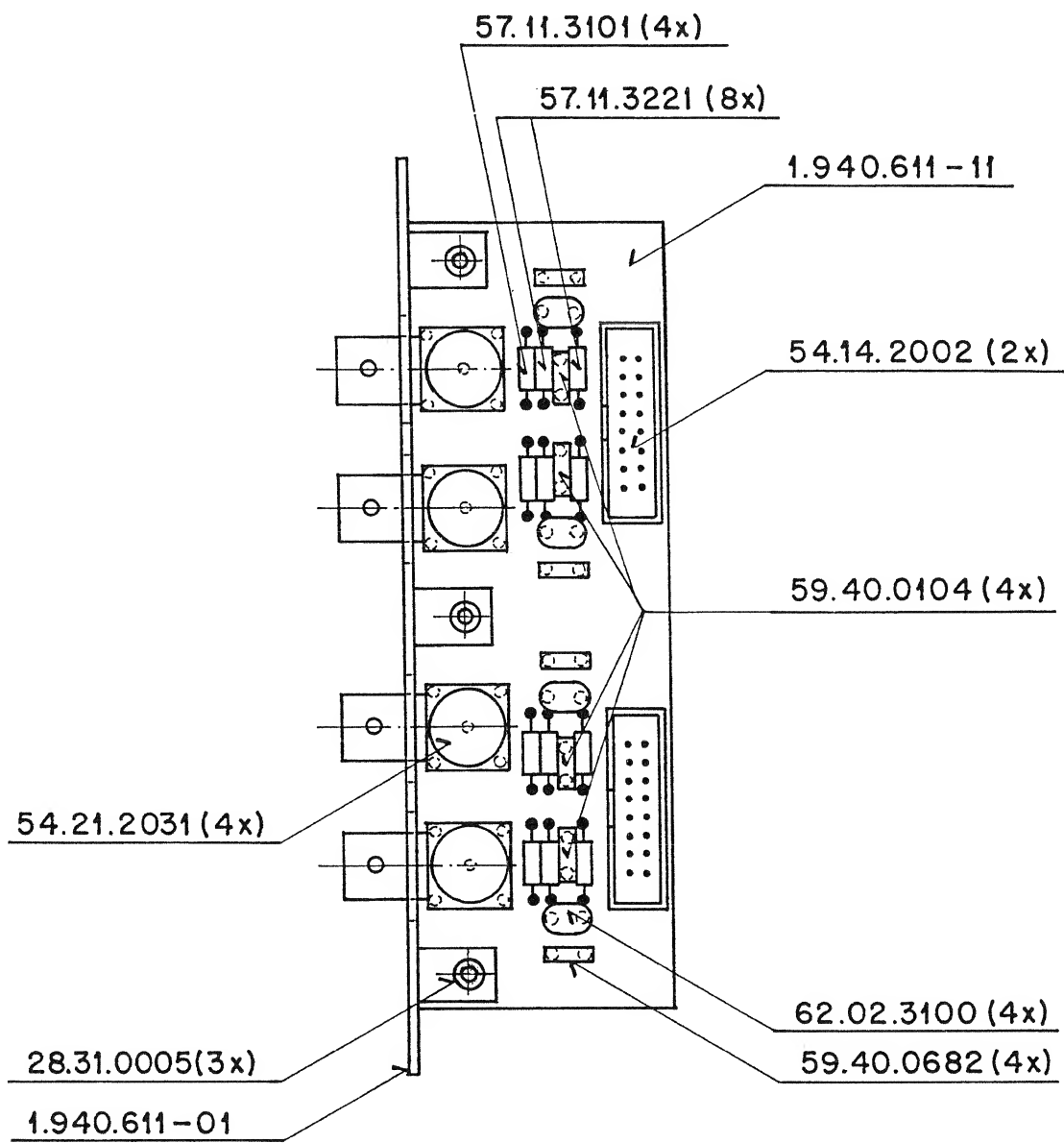
Nummer:

1.940.610-00

Connection Board BNC AESI-Card 1.940.611.00

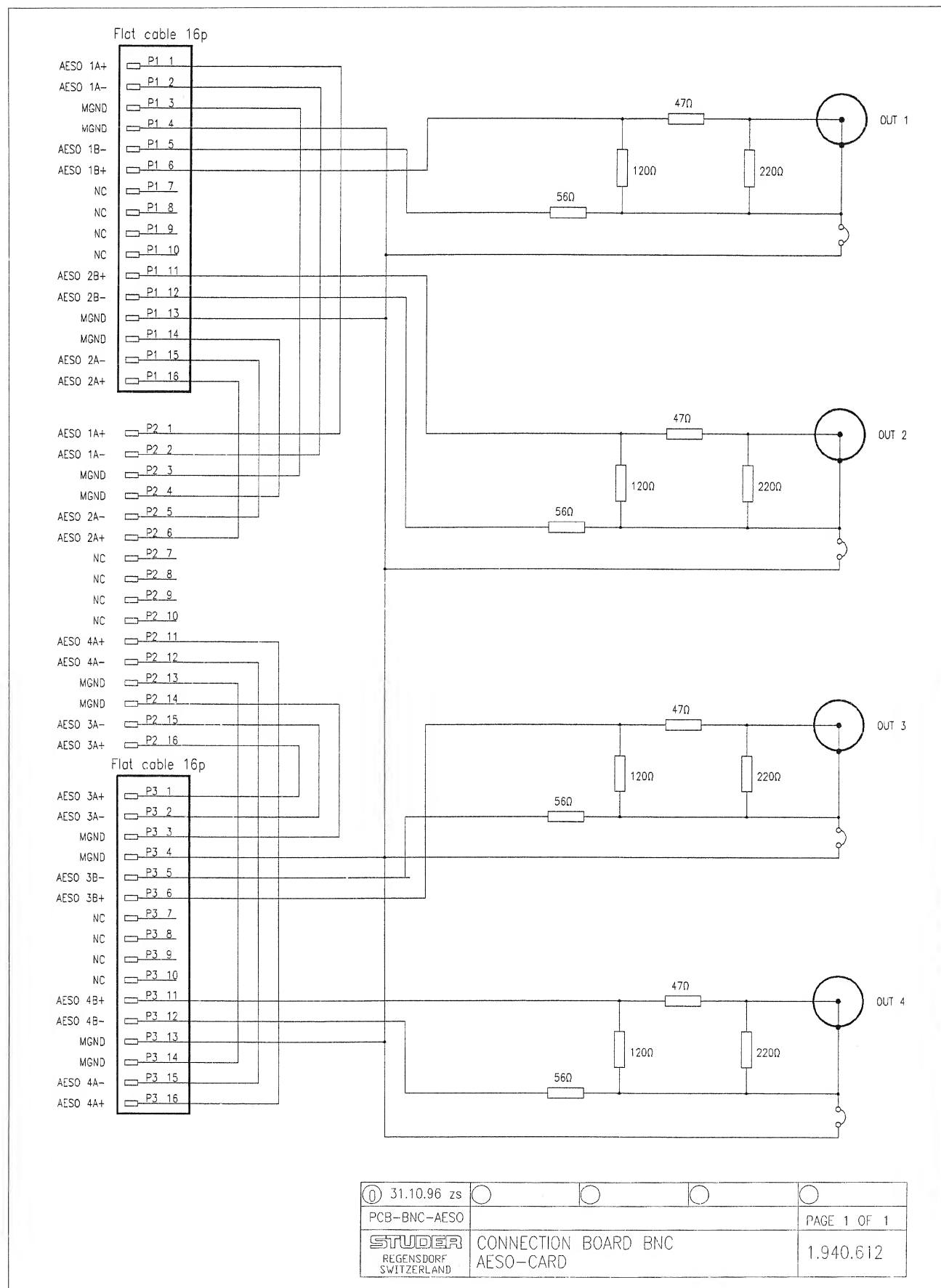


Connection Board BNC AESI-Card 1.940.611.00

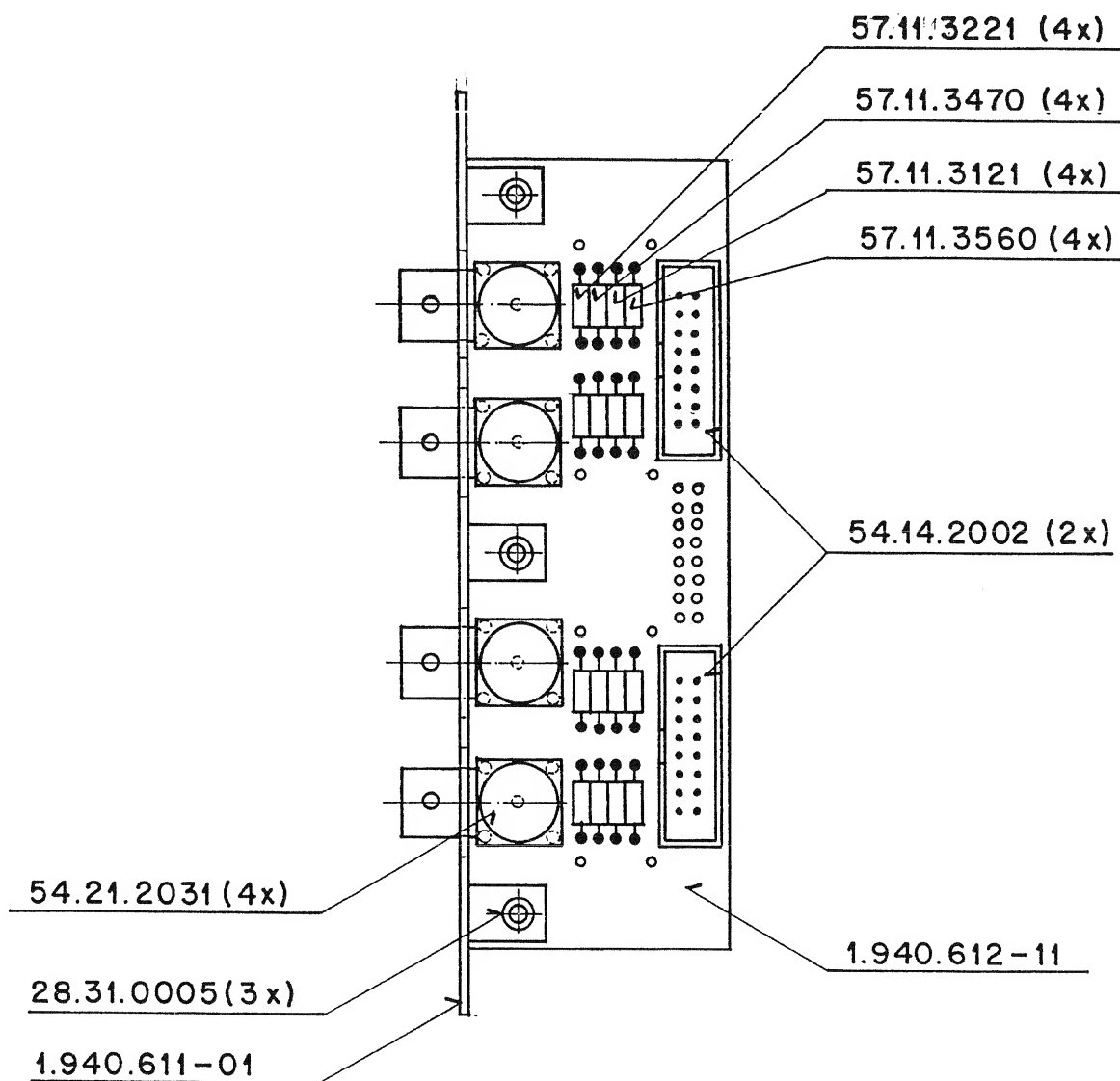


Änderung					③
					②
					①
Ausgabe	26.6.97	2	14		④
Datum	Gez.	Gepr.	Ges.	Index	
Kopie für:					
STUDER REGENSDORF ZÜRICH					Benennung: BNC INPUT UNIT
Nummer: 1.940.611-00					

Connection Board BNC AESO-Card 1.940.612.00



Connection Board BNC AESO-Card 1.940.612.00



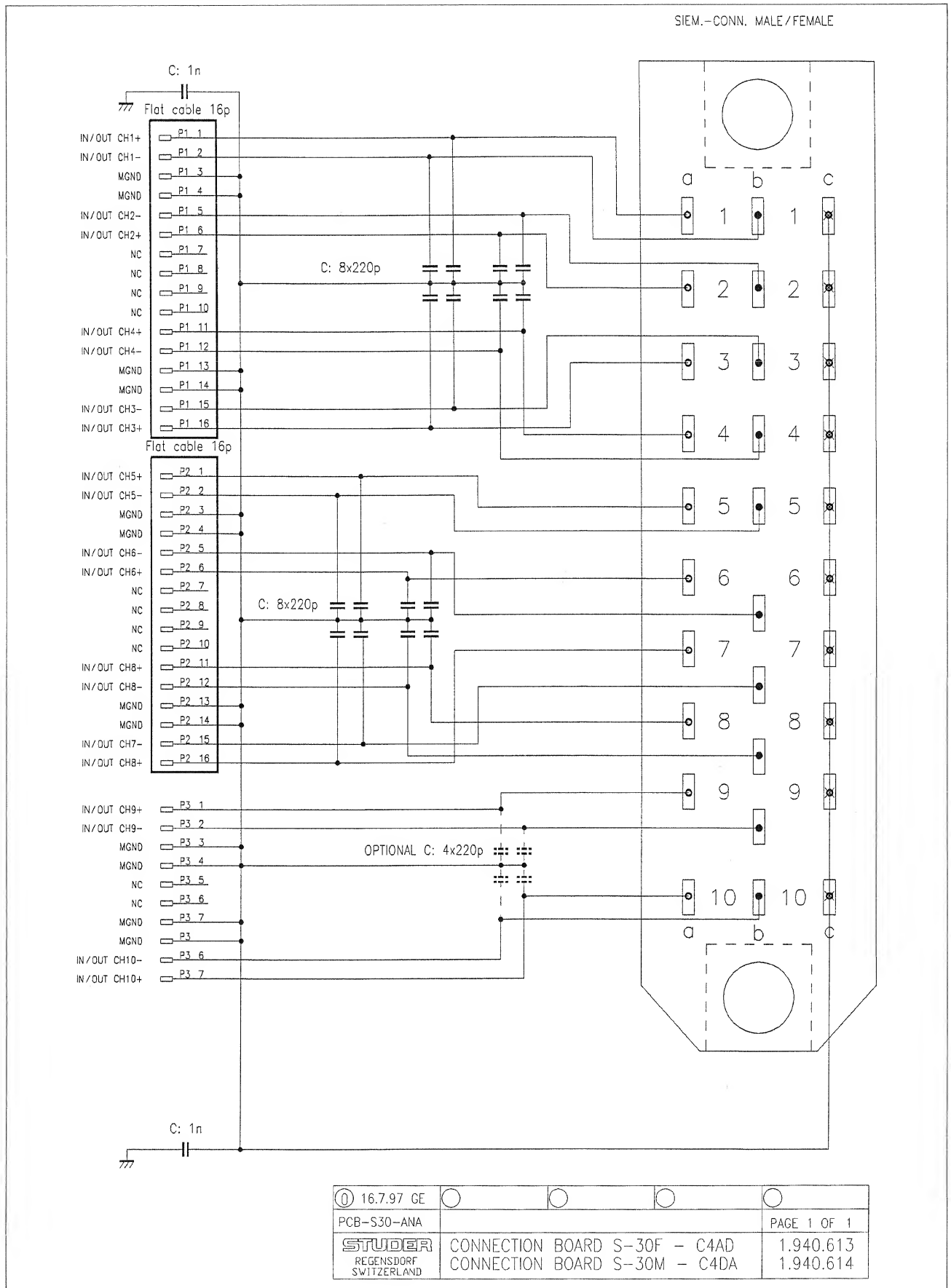
Änderung					③
					②
					①
Ausgabe	27.6.97	2	16		①
Datum	Gez.	Gepr.	Ges.	Index	

Kopie für:

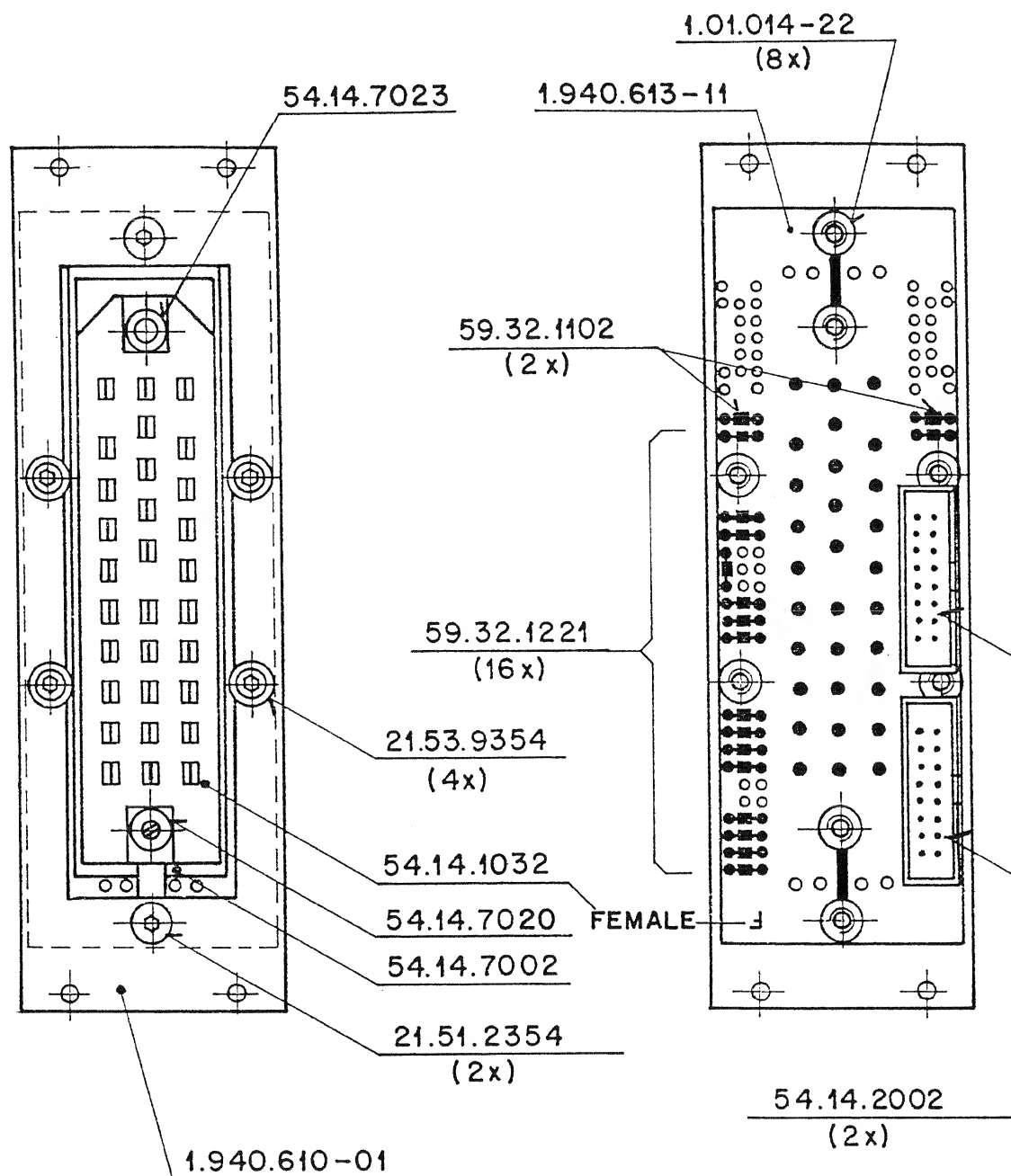
STUDER REGENSDORF ZÜRICH	Benennung: BNC OUTPUT UNIT	Nummer: 1.940.612-00
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Connection Board S-30F - C4AD 1.940.613.00

Connection Board S-30M - C4DA 1.940.614.00



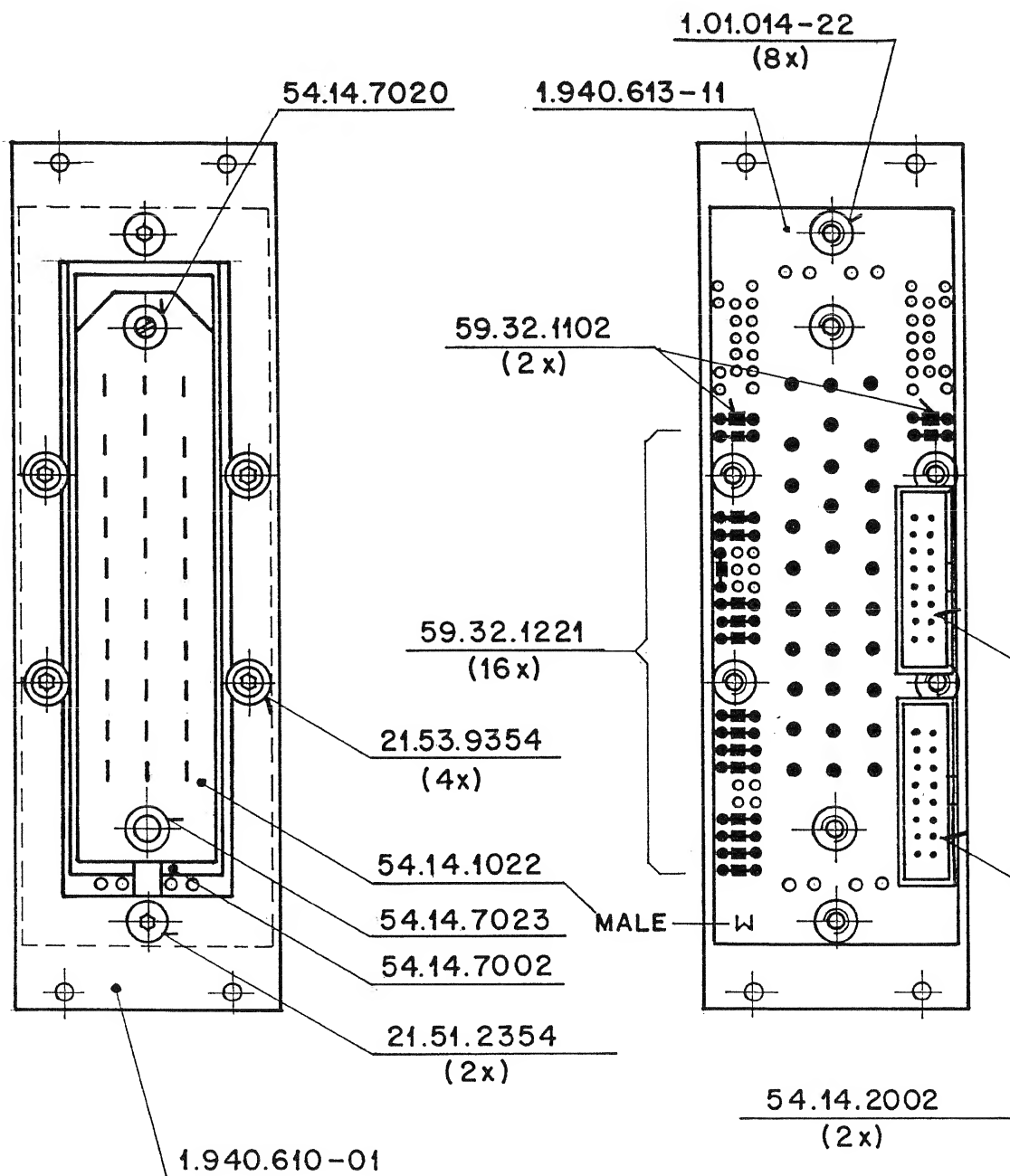
Connection Board S-30F - C4AD 1.940.613.00



Ausgabe	26.6.97	2	16	③
Datum	Gez.	Gepr.	Ges.	Index
Kopie für:				

STUDER REGENSDORF ZÜRICH	Bezeichnung: S 30 F CONNECTION UNIT	Nr.: 1.940.613-00
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Connection Board S-30M - C4DA 1.940.614.00



Änderung						3
						2
						1
						0
Ausgabe	20.06.97	2	14			
	Datum	Gez.	Gepr.	Ges.	Index	
Kopie für:						

STUDER
REGENSDORF
ZÜRICH

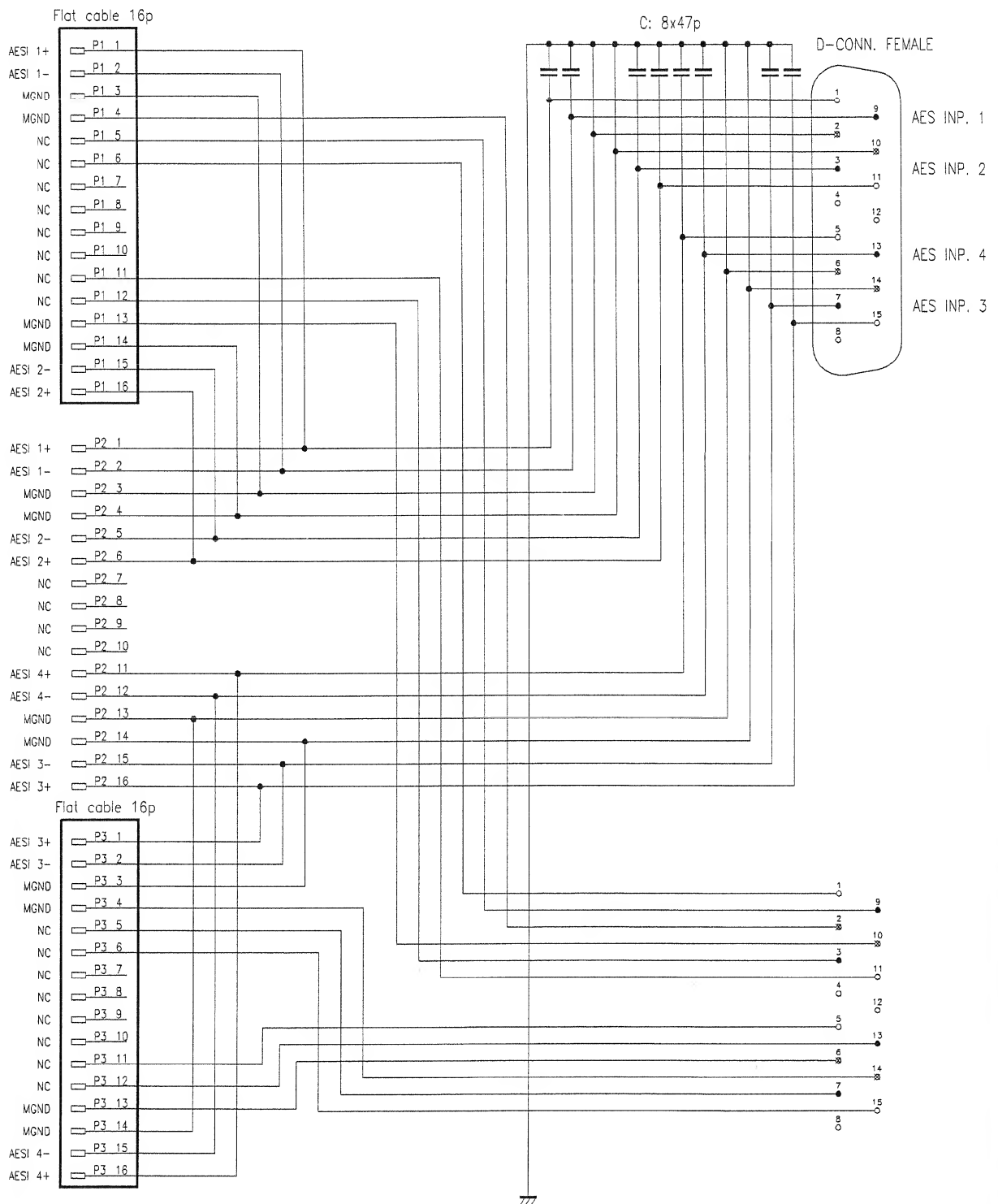
Benennung:

S 30 M CONNECTION UNIT

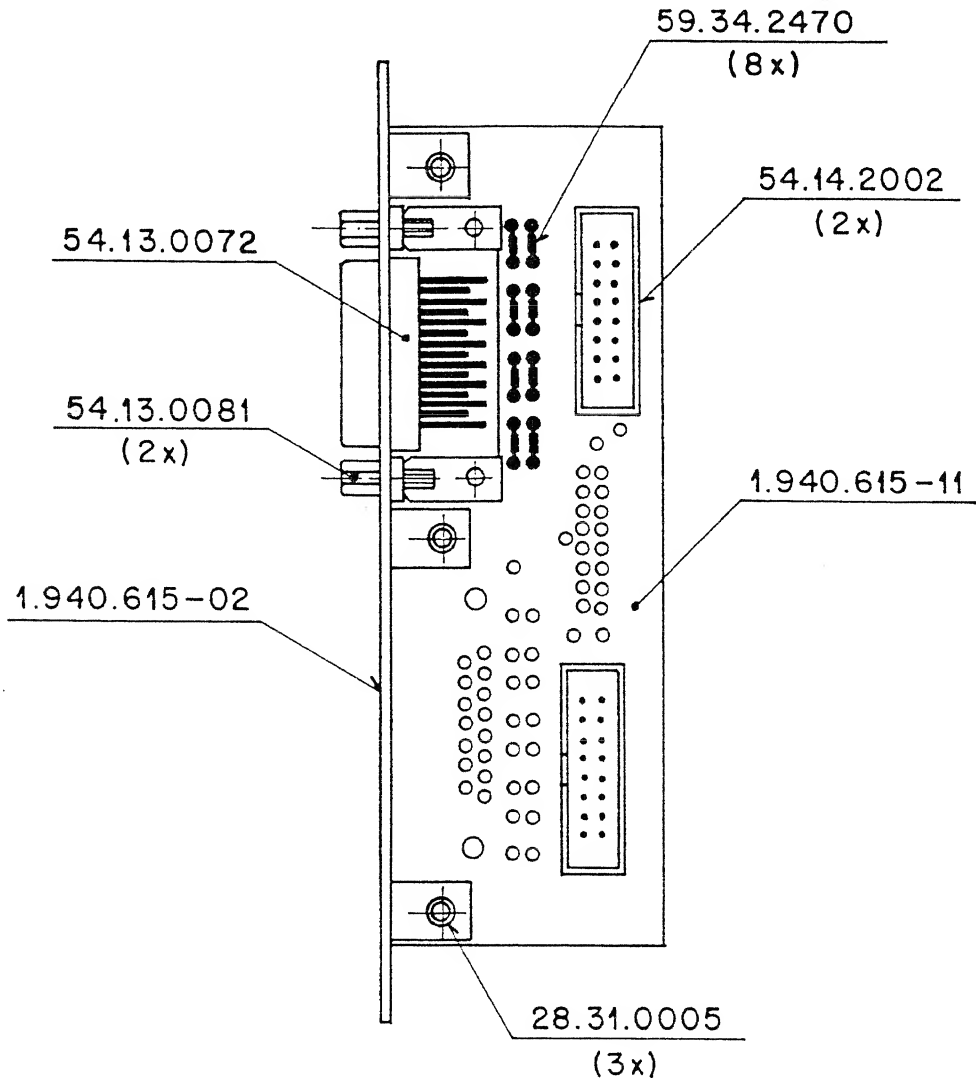
Nummer:

1.940.614-00

Connection Board D-15F AESI-Card 1.940.615.00



Connection Board D-15F AESI-Card 1.940.615.00

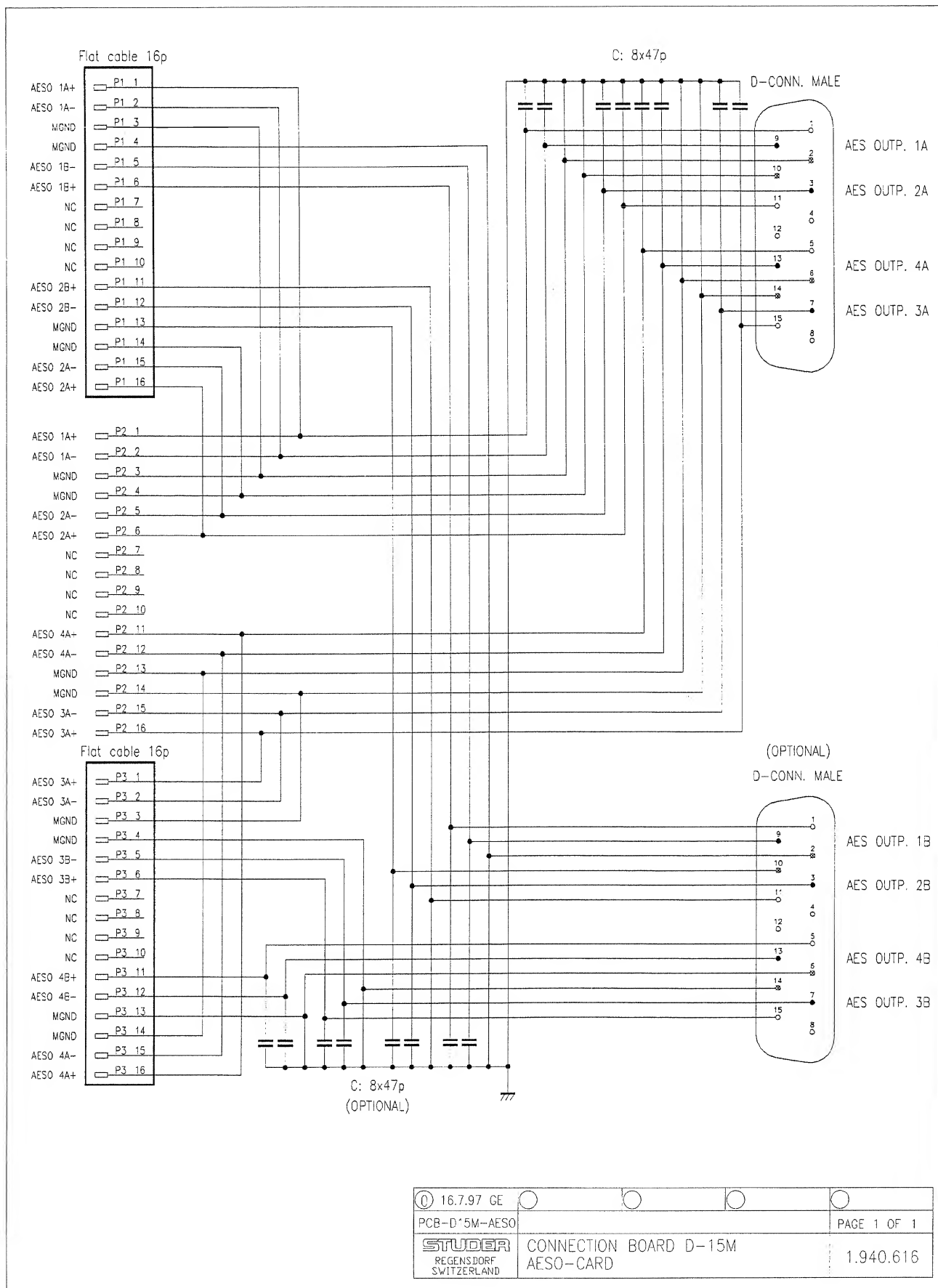


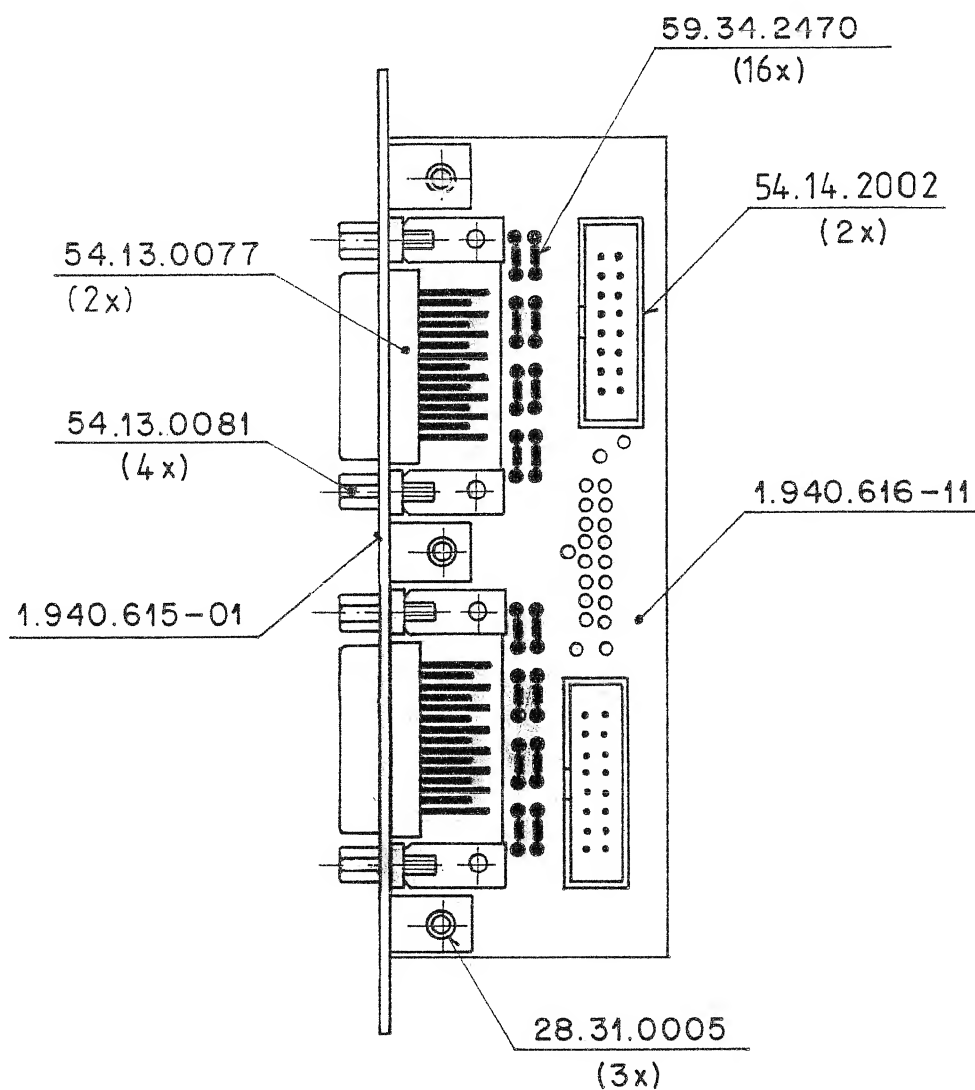
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					②
					①
	Ausgabe	20.2.97	2	1/2	④
	Datum	Gez.	Gepr.	Ges.	Index

Kopie für:

STUDER REGENSDORF ZÜRICH	Benennung: D15 F CONNECTION UNIT	Kopie für:			
		Nummer:	1.940.615-00		

Connection Board D-15M AESO-Card 1.940.616



Connection Board D-15m AESO-Card 1.940.616.81

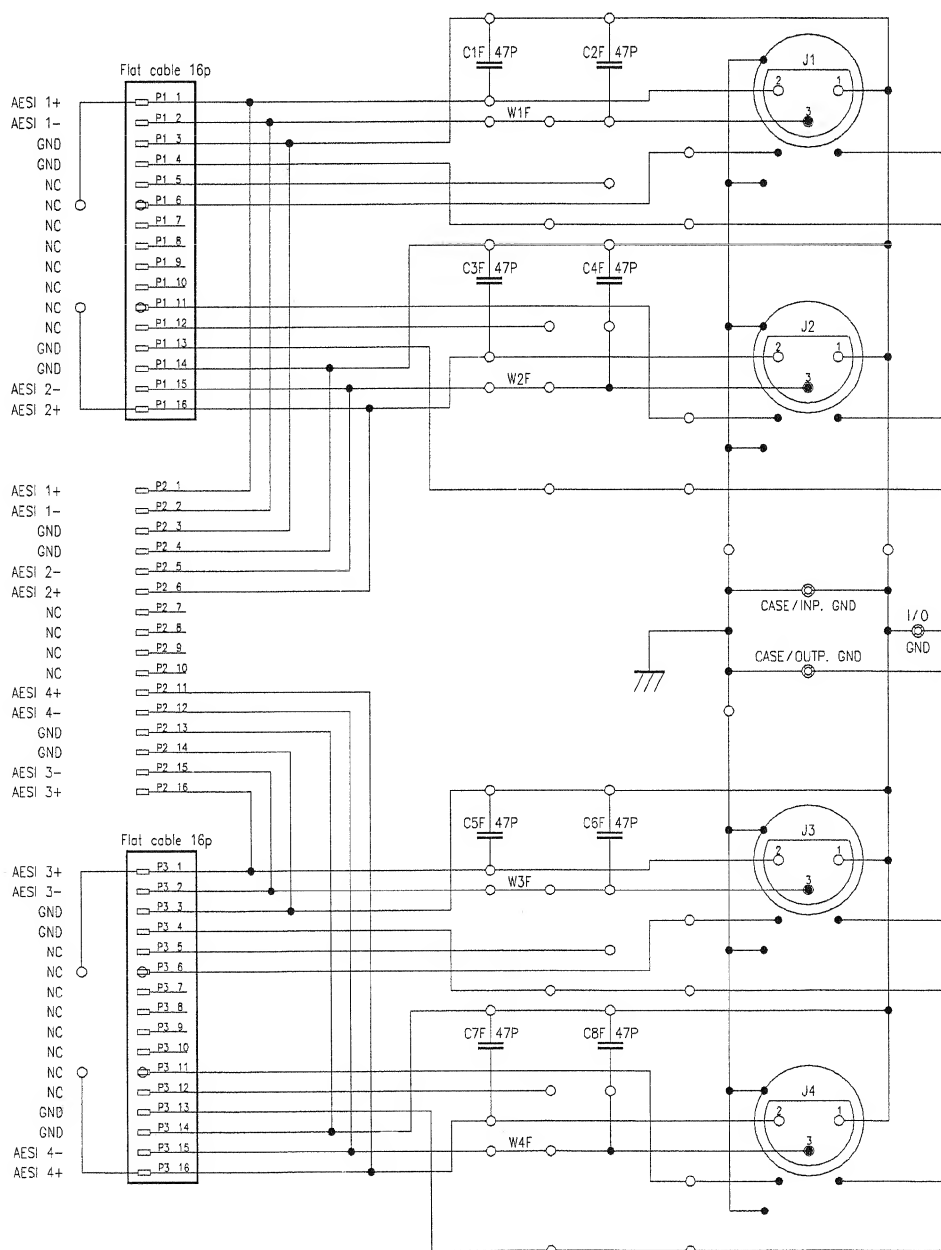
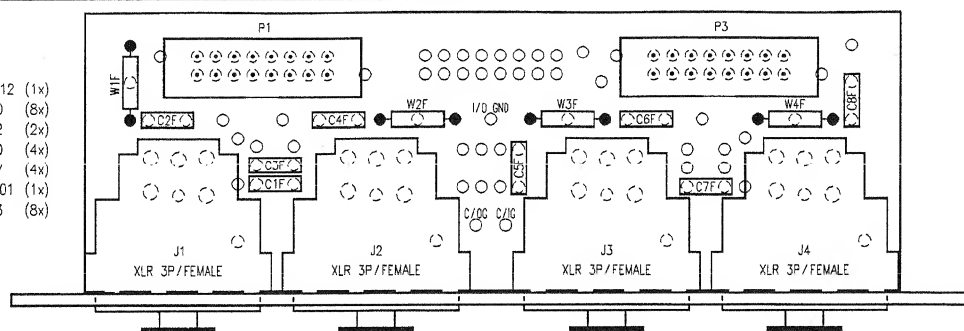
Änderung					(3)
					(2)
					(1)
Ausgabe	264.99	2	100	100	(0)
	Datum	Gez.	Gepr.	Ges.	Index

Kopie für:

STUDER REGENSDORF ZÜRICH	D 15 M CONNECTION UNIT		Kopie für:
	Bezeichnung:	Nummer:	1.940.616 - 81

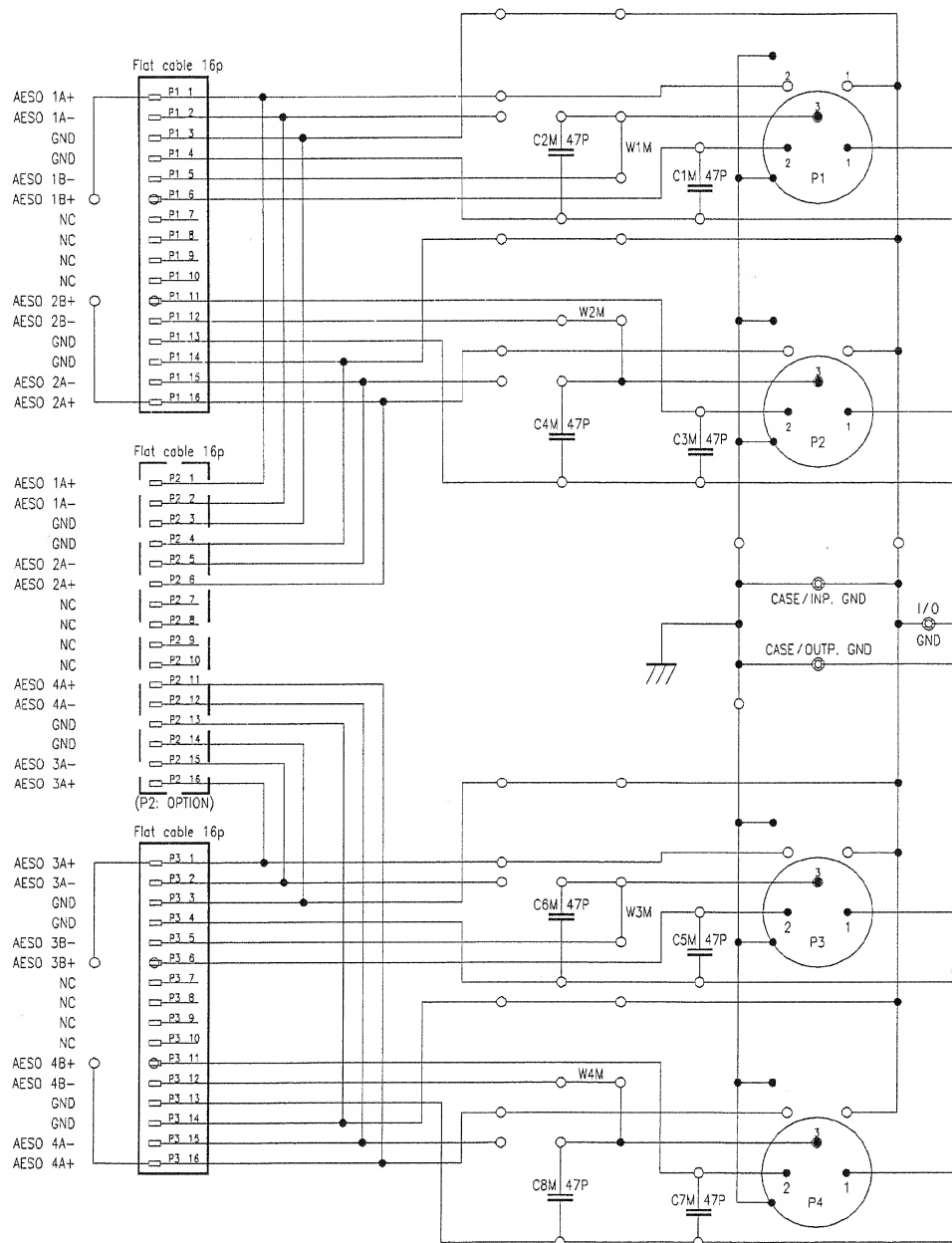
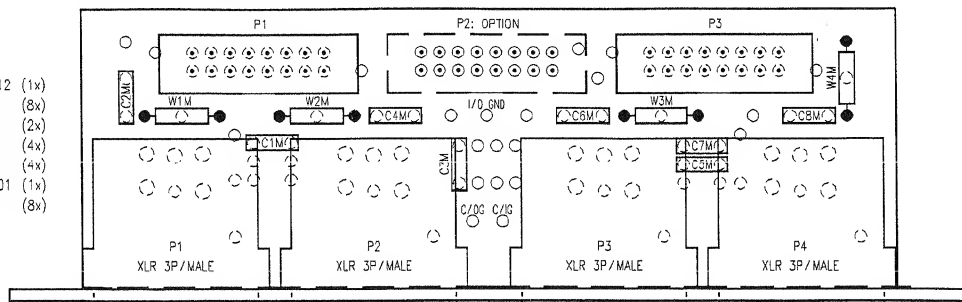
XLR Connection AES / EBU Input 1.940.617.81

PCB: 1.940.617.12 (1x)
 C 47pF: 59.34.2470 (8x)
 Px: 54.14.2002 (2x)
 Wxx: 57.11.3000 (4x)
 XLR 3P/F: 54.21.220/ (4x)
 FRONT 1.940.617.01 (1x)
 SCREWS: 20.24.7623 (8x)



XLR Connection AES / EBU Output 1.940.618.81

PCB: 1.940.617.12 (1x)
 C 47pF: 59.34.2470 (8x)
 Px: 54.14.2002 (2x)
 Wxx: 57.11.3000 (4x)
 XLR 3P/M: 54.21.2202 (4x)
 FRONT: 1.940.617.01 (1x)
 SCREWS: 20.24.7623 (8x)



D25 + D25 Connection Unit 1.940.619.81

The diagram illustrates the D25 + D25 Connection Unit. It features two main vertical sections, each with a D25 connector. The top section is labeled with P1 through P8 and W1 through W4. The bottom section is labeled with P1 through P8 and W1 through W4. The unit is shown with its mounting brackets (MP1, MP2, MP3, MP4) and a side view showing the D25 connectors.

Idx	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 2	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 3	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 4	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 5	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 6	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 7	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 8	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 9	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 10	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 11	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 12	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 13	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 14	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 15	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 16	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 17	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 18	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 19	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 20	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 21	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 22	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 23	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 24	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 25	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 26	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 27	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 28	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 29	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 30	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 31	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 32	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 33	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 34	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 35	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 36	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 37	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 38	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 39	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 40	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 41	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 42	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 43	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 44	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 45	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 46	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 47	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 48	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 49	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	C 50	59.60.2241	47p	CER 50V, 5%, COG, 0603	
0	MP 1	1.940.619.12	1 pcs		D25+D25 Connection PCB
0	MP 2	1.940.619.04	1 pcs		Nr.-Etikette 5 * 20
0	MP 3	1.940.619.02	1 pcs		Rückwand D25+D25
0	MP 4	54.13.0081	4 pcs	4.85mm	Bolzen UNC 4-40
0	P 1	54.14.2002	16p		1/20" Au, gerade, ohne Verrieg
0	P 2	54.14.2002	16p		1/20" Au, gerade, ohne Verrieg
0	P 3	54.14.2002	16p		1/20" Au, gerade, ohne Verrieg
0	P 4	54.14.2002	16p		1/20" Au, gerade, ohne Verrieg
0	P 5	54.14.2002	16p		1/20" Au, gerade, ohne Verrieg
0	P 6	54.14.2002	16p		1/20" Au, gerade, ohne Verrieg
0	P 7	54.13.0073	25p		D-Sub, PCB, Winkel
0	P 8	54.13.0073	25p		D-Sub, PCB, Winkel

STUDER
REGENSDORF

D25+D25 CONNECTION UNIT

26.04.99

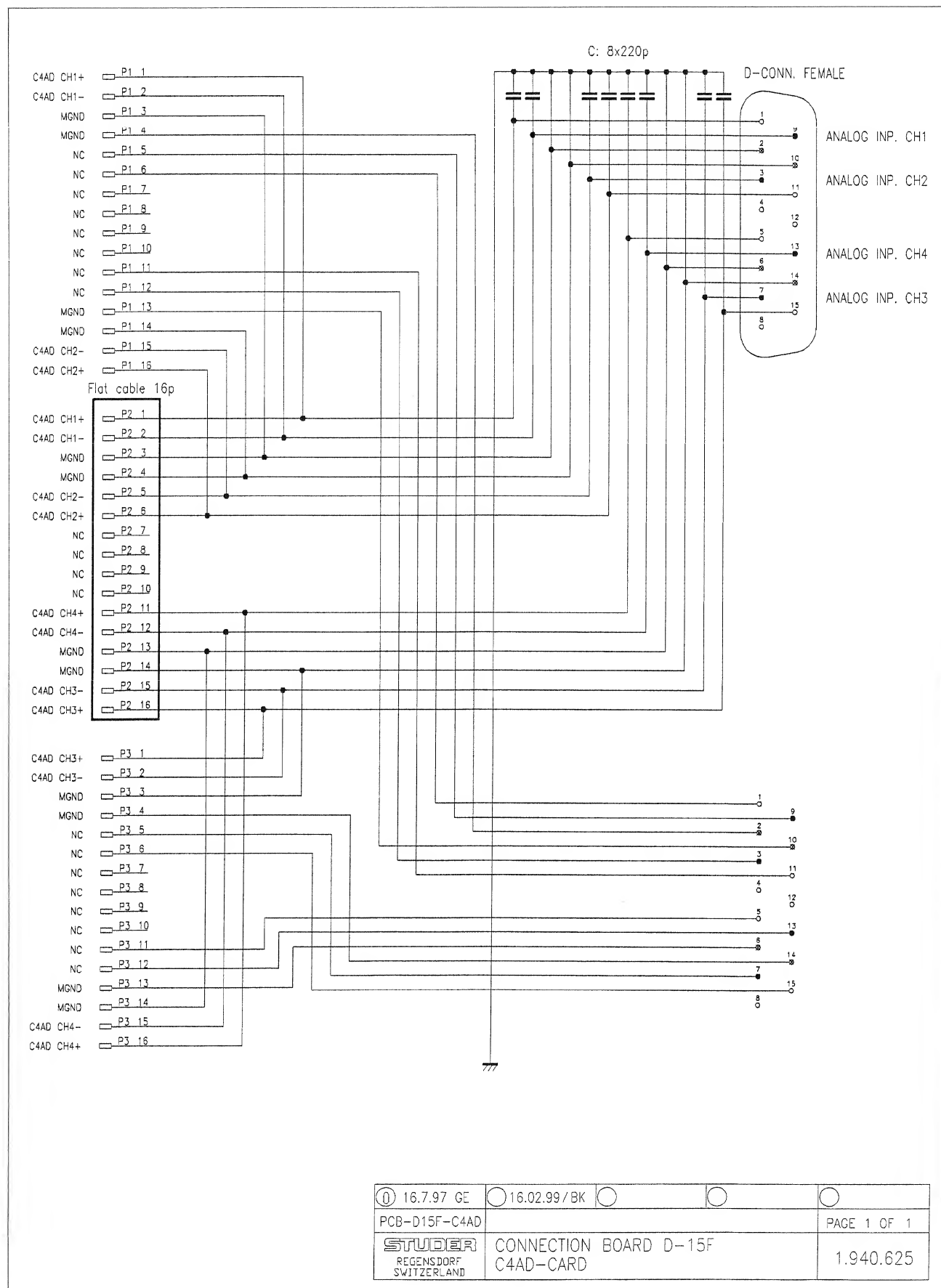
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1.940.619.81

End of List

Comments

Connection Board D-15F C4AD-Card 1.940.625.00



① 16.7.97 GE	○ 16.02.99 / BK	○	○	○
PCB-D15F-C4AD				PAGE 1 OF 1
STUDER REGENSDORF SWITZERLAND		CONNECTION BOARD D-15F C4AD-CARD		
				1.940.625

54.13.0072

54.13.0081
(2x)

1.940.615-02

59.34.2470
(8x)

54.14.2002
(2x)

1.940.615-11

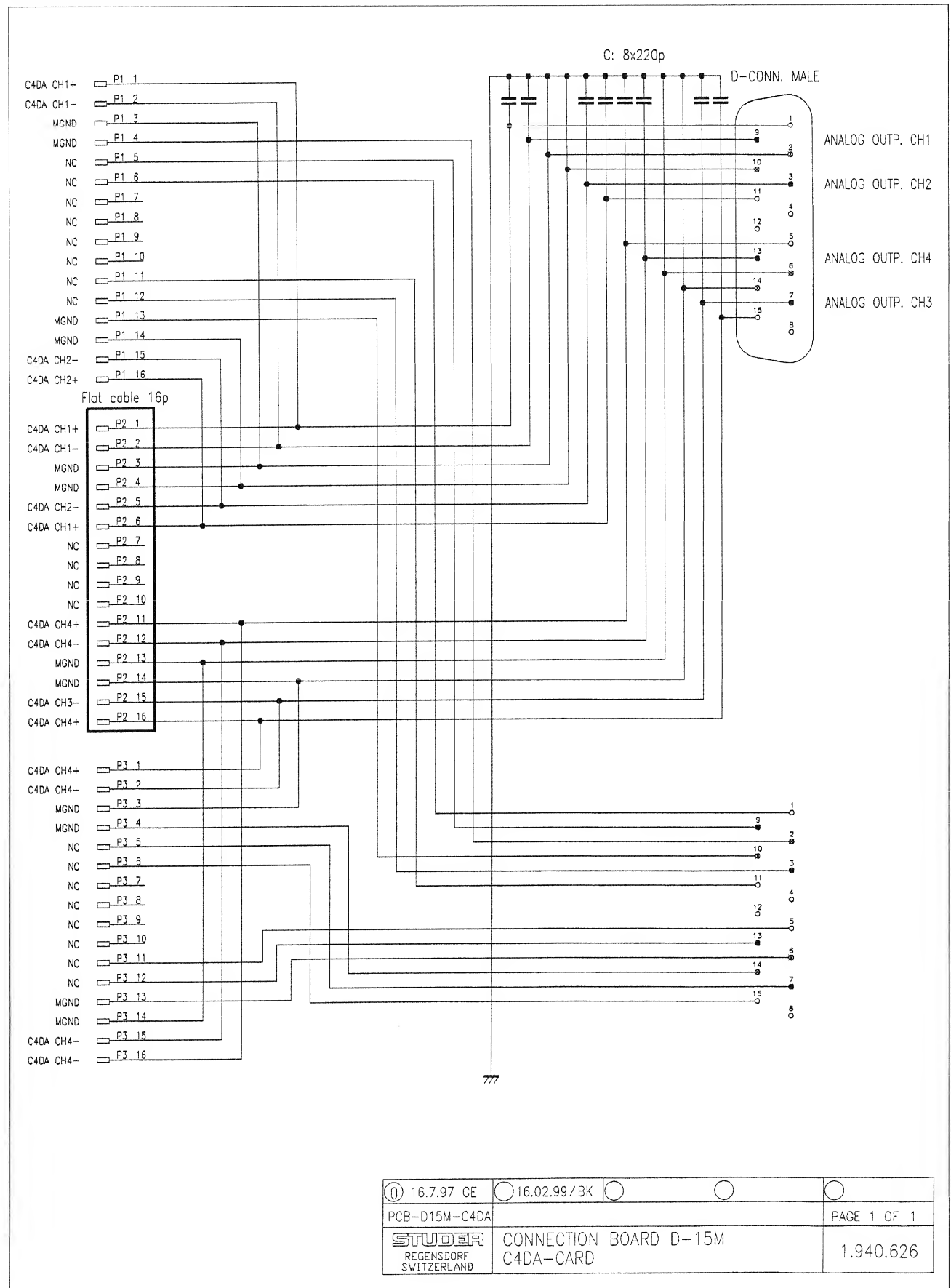
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(3x)

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	Datum	Gez.	Gepr.	Ges.	Index

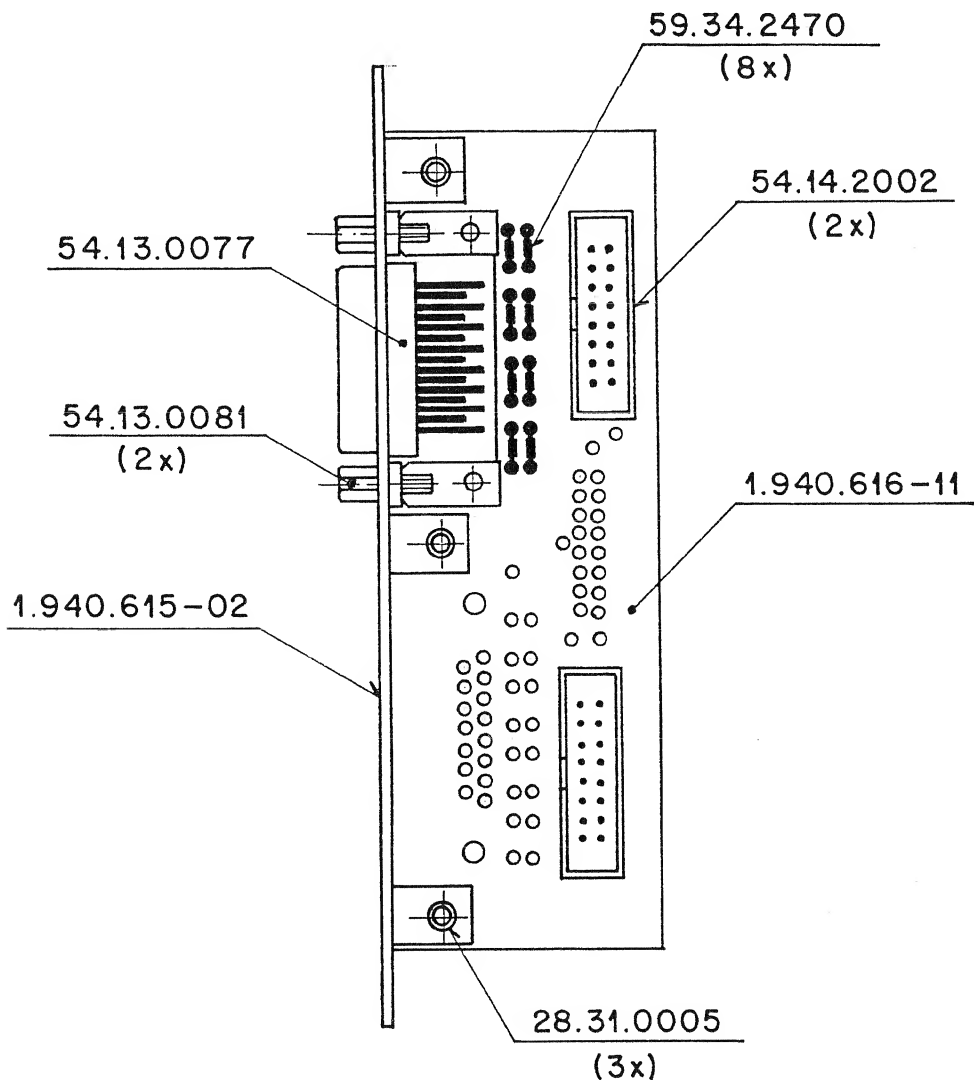
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Connection Board D-15m C4DA-Card 1.940.626.00



Connection Board D-15m C4DA-Card 1.940.626.00



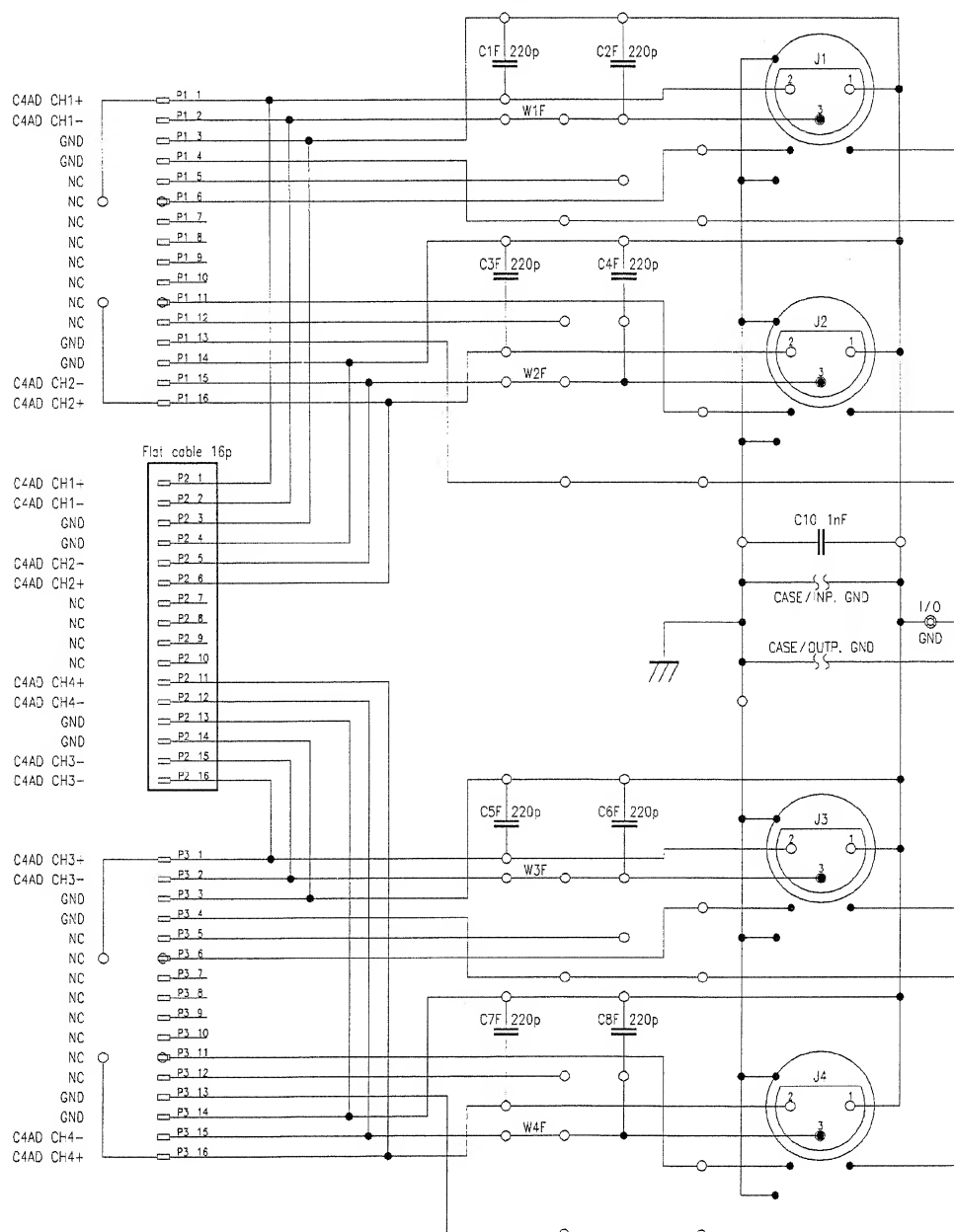
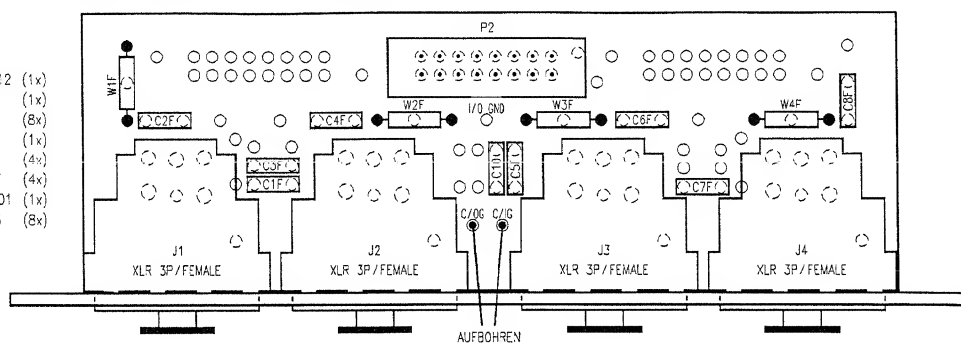
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Datum	Gez.	Gepr.	Ges.	Index	

Kopie für:

STUDER REGENSDORF ZÜRICH	Bearbeitung:	D 15 M CONNECTION UNIT	Nummer:	1.940.626
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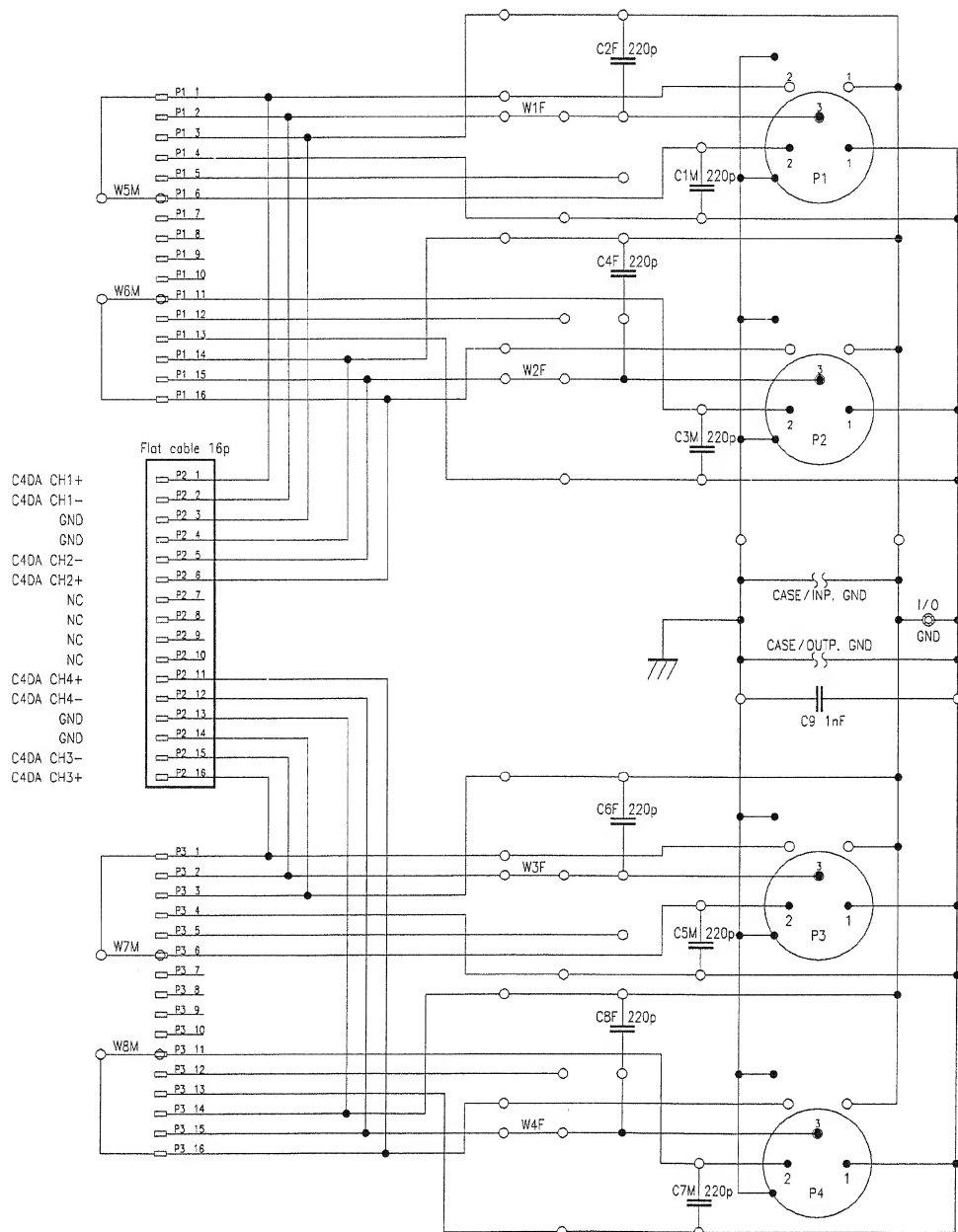
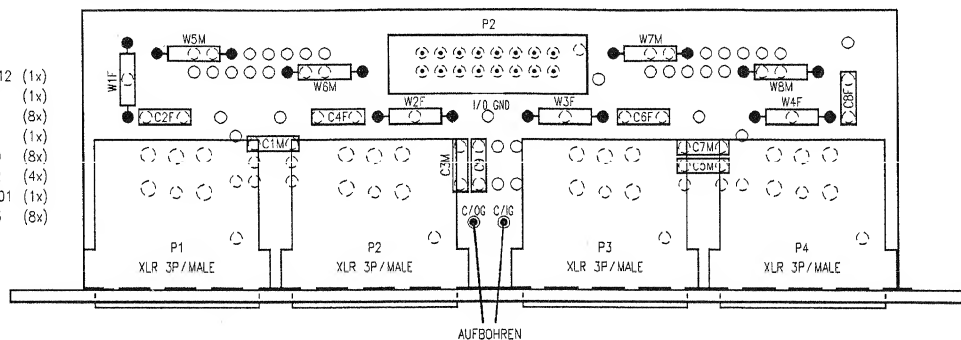
XLR Connection Analog Input 1.940.627.81

PCB: 1.940.617.12 (1x)
 C 1nF: 59.32.1102 (1x)
 C 220pF: 59.32.1221 (8x)
 Px: 54.14.2002 (1x)
 W_{WHS}: 57.11.3000 (4x)
 XLR 3P/F: 54.21.2207 (4x)
 FRONT: 1.940.617.01 (1x)
 SCREWS: 20.24.7623 (8x)

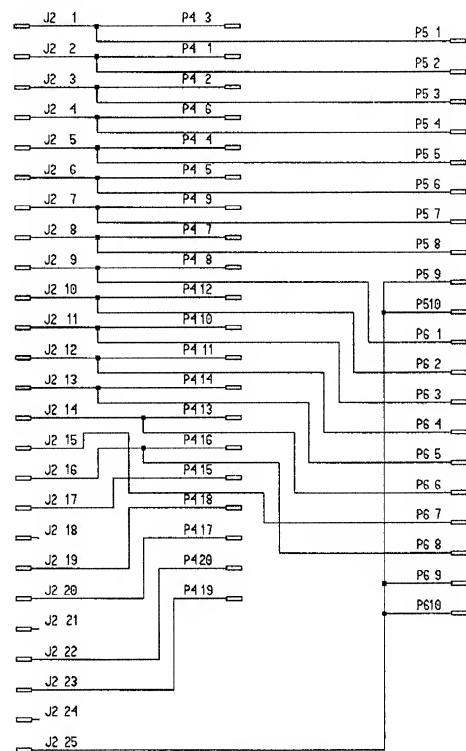
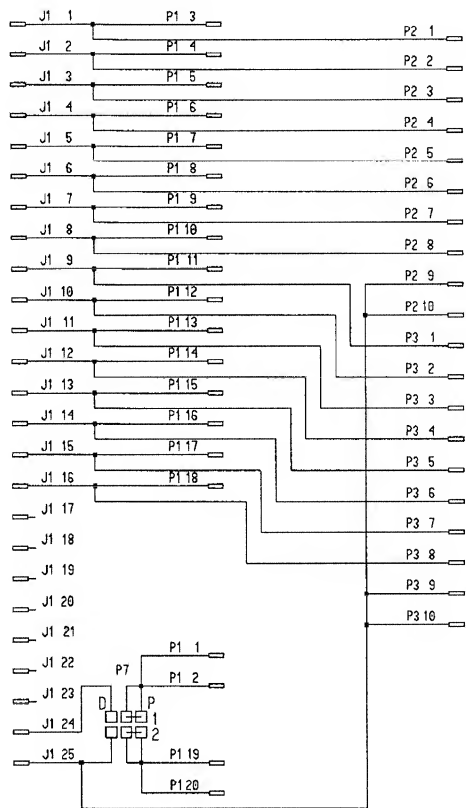


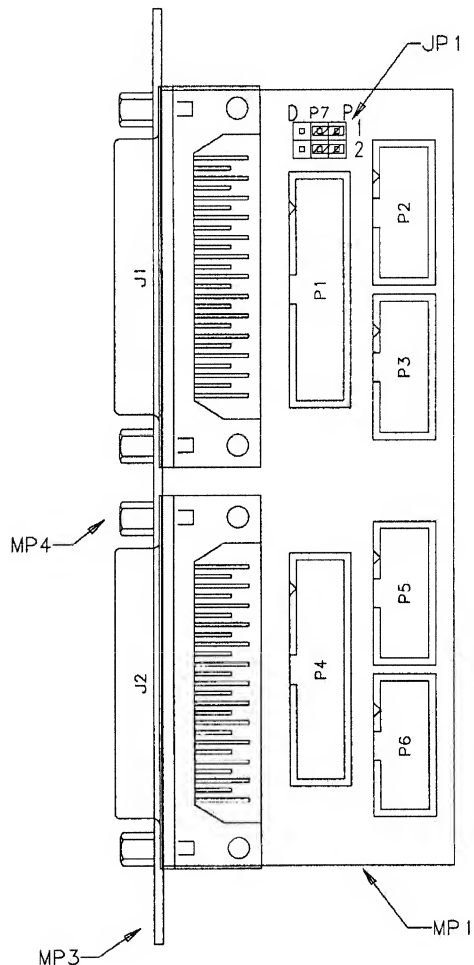
XLR Connection Analog Output I.940.628.81

PCB: 1.940.617.12 (1x)
 C 1nF: 59.32.1102 (1x)
 C 220pF: 59.32.1221 (8x)
 Px: 54.14.2002 (1x)
 Wxx: 57.11.3000 (8x)
 XLR 3P/M: 54.21.2202 (4x)
 FRONT 1.940.617.01 (1x)
 SCREWS: 20.24.7623 (8x)



Connection Unit Control Port 1.940.630.81 (0)



Connection Unit Control Port 1.940.630.81 (0)

Accompanying documents: Zugehörige Unterlagen: PL	General tolerance: Freimasstoleranz: .	Scale: Masstab:	Edition Ausgabe	26.04.1999	PZ	<i>M</i>	<i>R</i>	⓪
			Date Datum	Visa Gez.	Checked Gepr.	Seen Ges.	Index	
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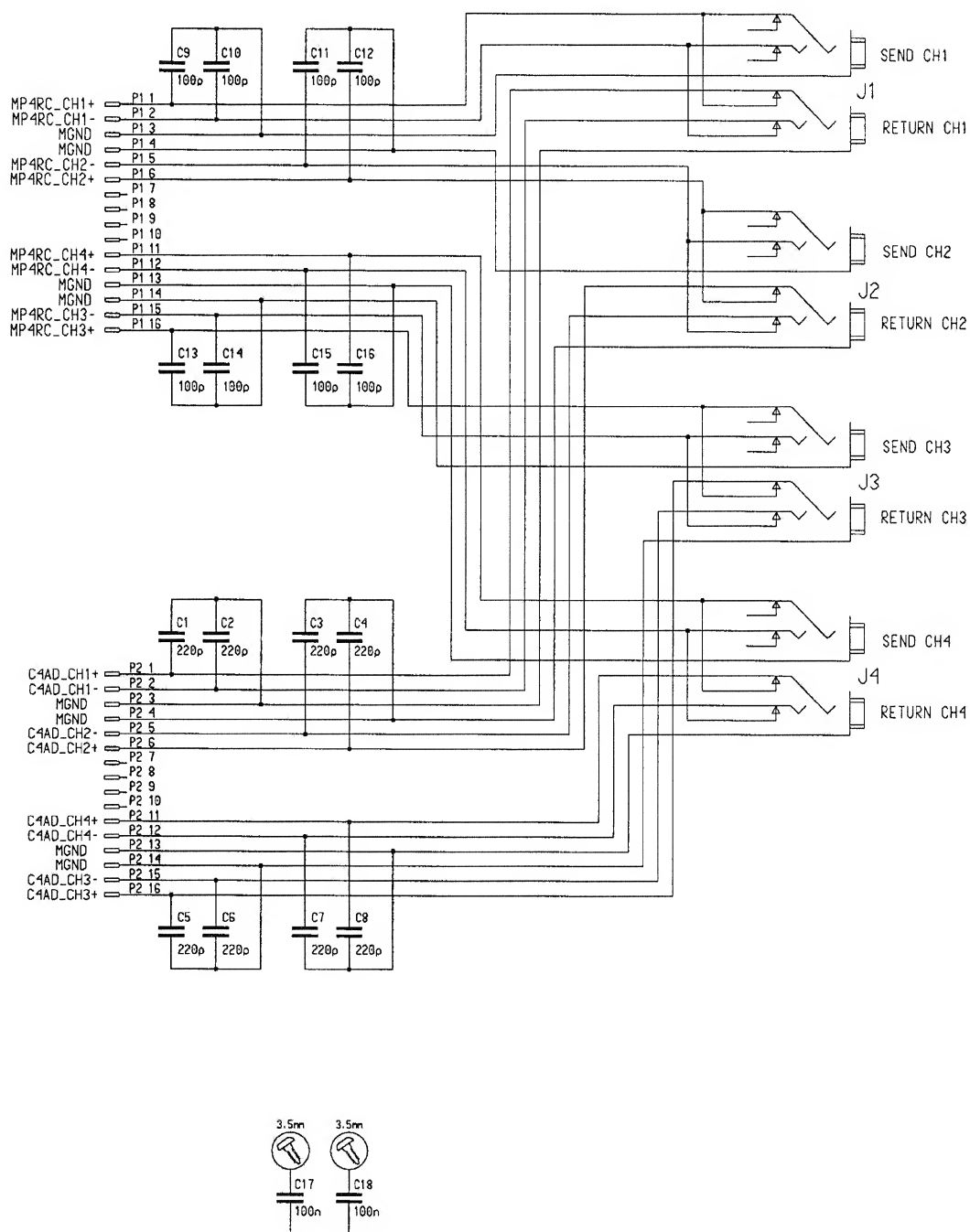
Connection Unit Control Port 1.940.630.81 (0)

Page: 1 of 1

Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 J 1	54.13.0073		25p	D-Sub, PCB, Winkel					
0 J 2	54.13.0073		25p	D-Sub, PCB, Winkel					
0 JP 1	54.01.0021	2 pcs	Jumper	0.63*0.63mm, Au					
0 MP 1	1.940.630.12	1 pce		Control Connection PCB					
0 MP 2	1.940.630.10	1 pce		NR. Etikette 5 x 20					
n MP 3	1.940.619.02	1 pce		Rückwand D25+D25					
0 MP 4	54.13.0081	4 pcs	4.85mm	Bolzen UNC 4-40					
0 MP 5	24.16.1030	4 pcs	3.2/5.5	Rippenscheibe					
0 P 1	54.14.2008		20p	1/20" Au, gerade, ohne Verrieg					
0 P 2	54.14.2001		10p	1/20" Au, gerade, ohne Verrieg					
0 P 3	54.14.2001		10p	1/20" Au, gerade, ohne Verrieg					
0 P 4	54.14.2008		20p	1/20" Au, gerade, ohne Verrieg					
0 P 5	54.14.2001		10p	1/20" Au, gerade, ohne Verrieg					
0 P 6	54.14.2001		10p	1/20" Au, gerade, ohne Verrieg					
0 P 7	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54					

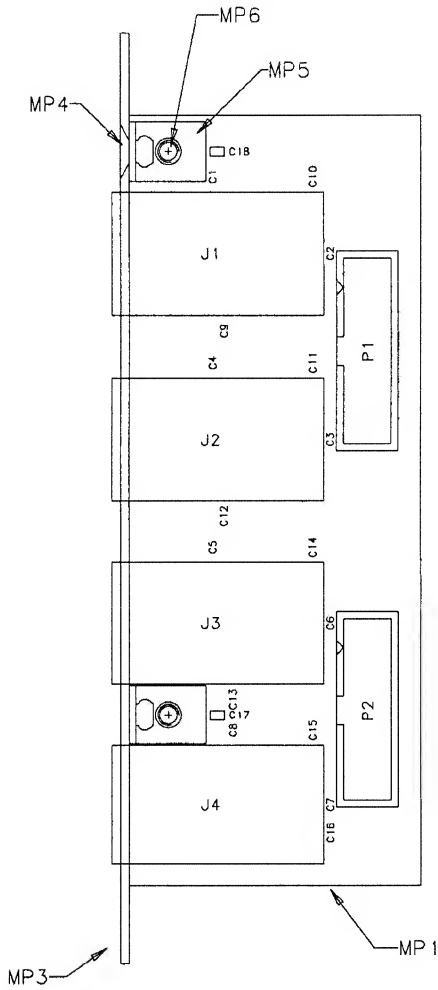
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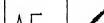
Connection Unit Bantam Jack (f. Analog Inserts) 1.940.631. 00 (0)



0	09.11.1998	GE						PAGE 1 OF 1
STUDER		Connection Board Insert						1.940.631,00

Connection Unit Bantam Jack (f. Analog Inserts) 1.940.631.00 (0)



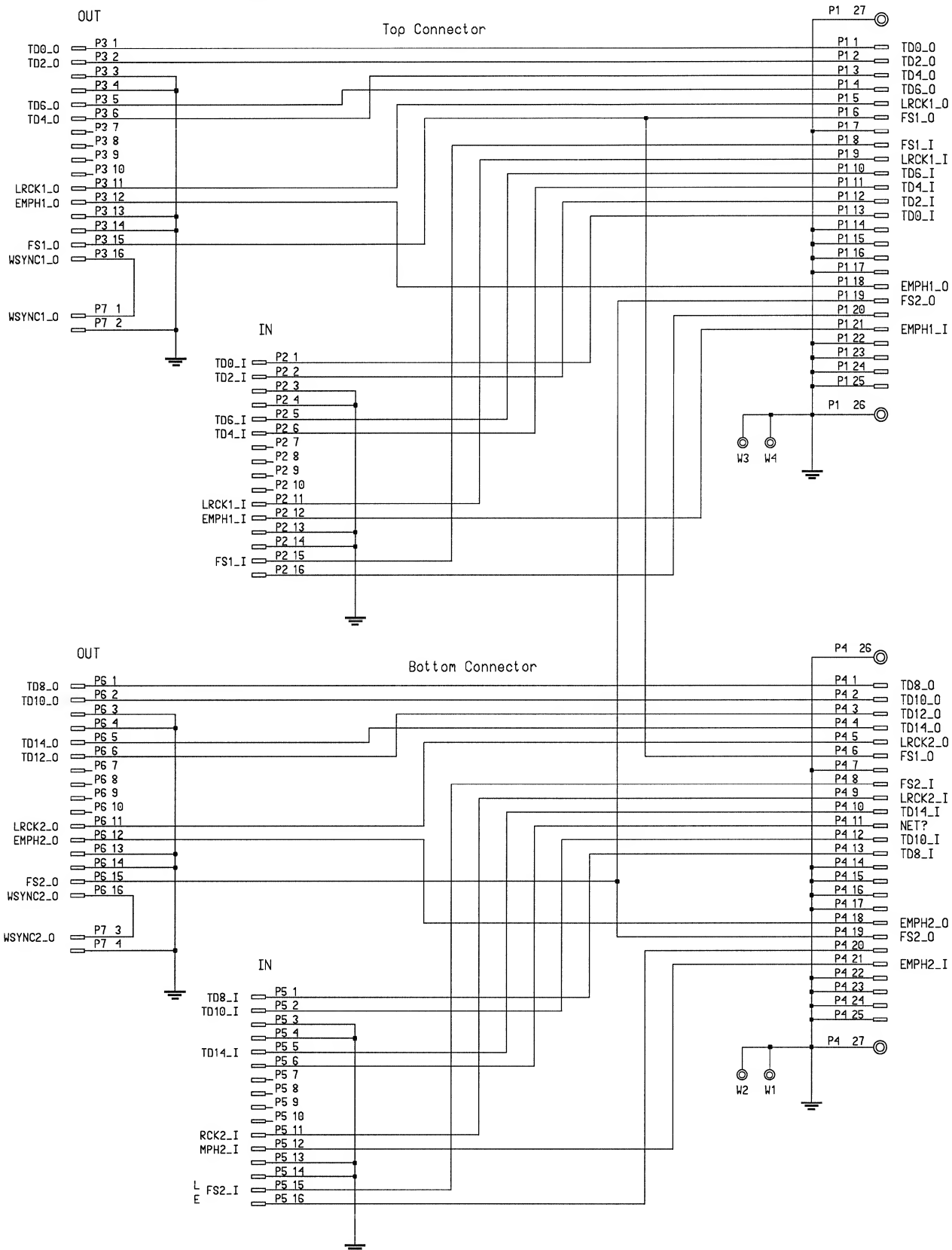
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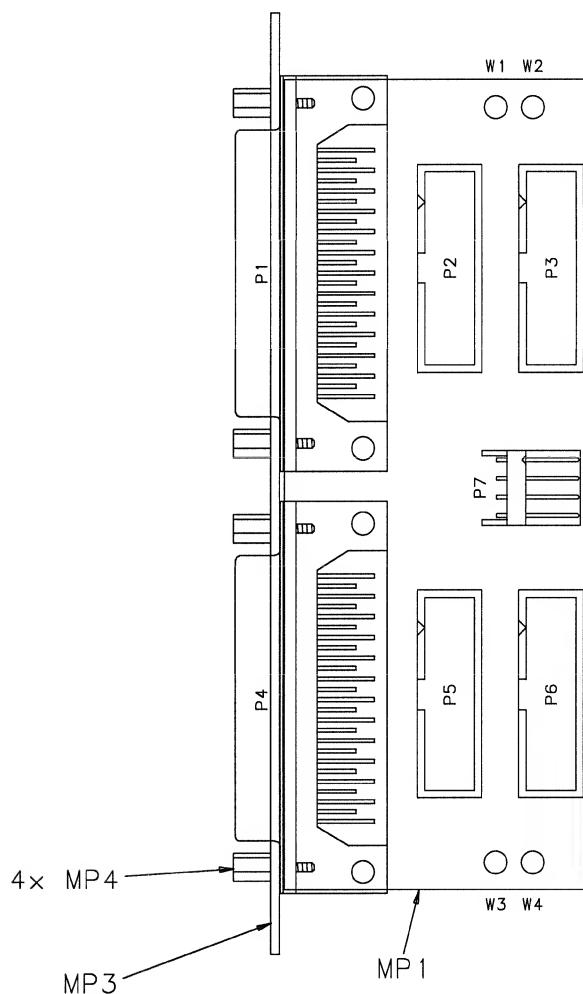
Connection Unit Bantam Jack (Analog Ins.) 1.940.631.00 (0) Page: 1 of 1

Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 C 1	59.60.2257		220p	CER 50V, 5%, COG, 0603					
0 C 2	59.60.2257		220p	CER 50V, 5%, COG, 0603					
0 C 3	59.60.2257		220p	CER 50V, 5%, COG, 0603					
0 C 4	59.60.2257		220p	CER 50V, 5%, COG, 0603					
0 C 5	59.60.2257		220p	CER 50V, 5%, COG, 0603					
0 C 6	59.60.2257		220p	CER 50V, 5%, COG, 0603					
0 C 7	59.60.2257		220p	CER 50V, 5%, COG, 0603					
0 C 8	59.60.2257		220p	CER 50V, 5%, COG, 0603					
0 C 9	59.60.2249		100p	CER 50V, 5%, COG, 0603					
0 C 10	59.60.2249		100p	CER 50V, 5%, COG, 0603					
0 C 11	59.60.2249		100p	CER 50V, 5%, COG, 0603					
0 C 12	59.60.2249		100p	CER 50V, 5%, COG, 0603					
0 C 13	59.60.2249		100p	CER 50V, 5%, COG, 0603					
0 C 14	59.60.2249		100p	CER 50V, 5%, COG, 0603					
0 C 15	59.60.2249		100p	CER 50V, 5%, COG, 0603					
0 C 16	59.60.2249		100p	CER 50V, 5%, COG, 0603					
0 C 17	59.60.3337		100n	CER 50V, 10%, X7R, 0805					
0 C 18	59.60.3337		100n	CER 50V, 10%, X7R, 0805					
0 J 1	54.24.0211		2*3p	Bantam-Buchse, 4.4mm					
0 J 2	54.24.0211		2*3p	Bantam-Buchse, 4.4mm					
0 J 3	54.24.0211		2*3p	Bantam-Buchse, 4.4mm					
0 J 4	54.24.0211		2*3p	Bantam-Buchse, 4.4mm					
0 MP 1	1.940.631.11	1 pce		CONNECTION INSERT PCB					
0 MP 2	1.940.631.10	1 pce		Nr. Etikette 5 x 20					
0 MP 3	1.940.631.01	1 pce		RÜCKWAND					
0 MP 4	28.31.0110	2 pcs		SENKKOPFNIETE D 3.2 * 4.3					
0 MP 5	35.99.0104	2 pcs		MONTAGEWINKEL					
0 MP 6	21.53.9354	2 pcs	M3*6	Z-Schraube Inbus-Ripp Zn gb ch					
0 P 1	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg					
0 P 2	54.14.2002		16p	1/20" Au, gerade, ohne Verrieg					

End of List

Connection Unit 4 × D25m (Dual TDIF I/O) 1.940.632.00 (0)



Connection Unit 4 × D25m (Dual TDIF I/O) 1.940.632.00 (0)

Accompanying documents: Zugehörige Unterlagen:		General tolerance: Freimasstoleranz:	Scale: Massstab:	Edition Ausgabe	03.01.2001	ZT	ML	RL	①
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					Number: Nummer:	1.940.632.00			

Connection Unit 4 × D25m (Dual TDIF I/O) 1.940.632.00 (0)

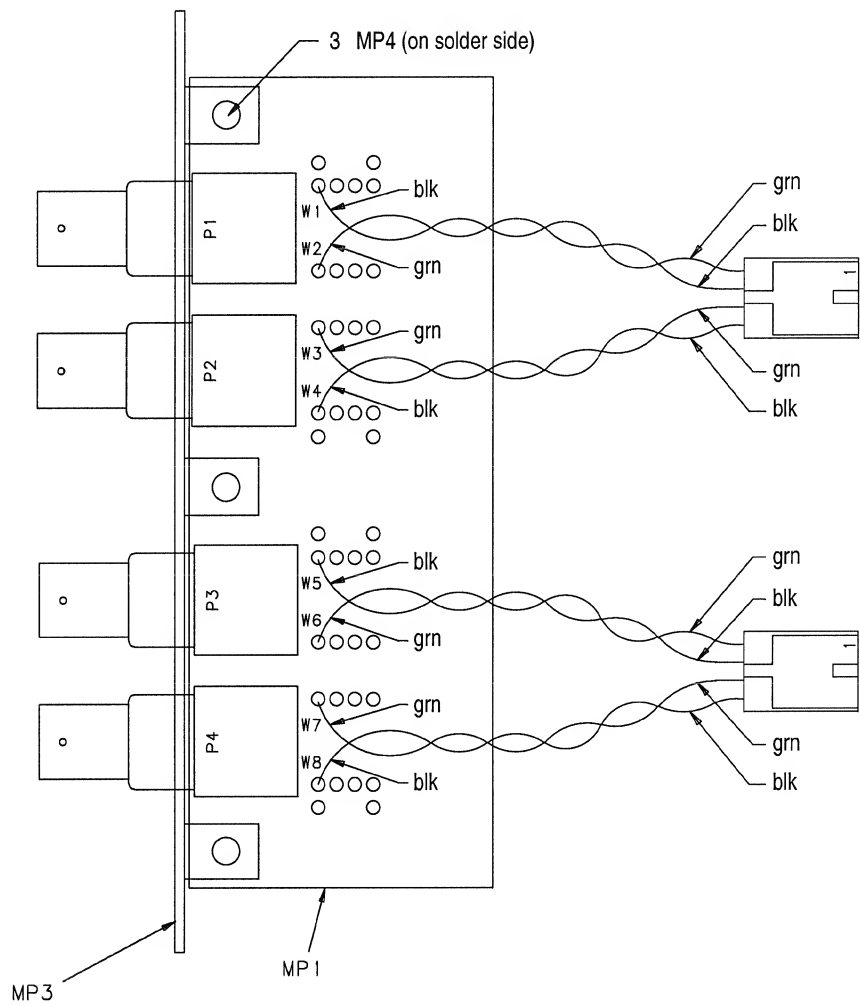
Page: 1 of 1

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 MP 1	1.940.632.11	1 pce		CONNECTION TDIF IN/OUT PCB
0 MP 2	1.940.632.04	1 pce		Nr.-Etikette 5 * 20
0 MP 3	1.940.619.02	1 pce		Rückwand D25+D25
0 MP 4	54.13.0081	4 pcs	4.85mm	Bolzen UNC 4-40
0 P 1	54.13.0073	1 pce	25p	D-Sub, PCB, Winkel
0 P 2	54.14.2002	1 pce	16p	1/20" Au, gerade, ohne Verrieg
0 P 3	54.14.2002	1 pce	16p	1/20" Au, gerade, ohne Verrieg
0 P 4	54.13.0073	1 pce	25p	D-Sub, PCB, Winkel
0 P 5	54.14.2002	1 pce	16p	1/20" Au, gerade, ohne Verrieg
0 P 6	54.14.2002	1 pce	16p	1/20" Au, gerade, ohne Verrieg
0 P 7	54.12.0724	1 pce	4p	Stecker winkel PCB

End of List

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
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Connection Unit 4 × BNC (WCLK Out) 1.940.633.00 (0)



Accompanying documents: Zugehörige Unterlagen: PL, LL		General tolerance: Freimasstoleranz:	Scale: Masstab:	Edition Ausgabe	03.01.2001	ZT	ML	RL	⊙
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Connection Unit 4 × BNC (WCLK Out) 1.940.633.00 (0)

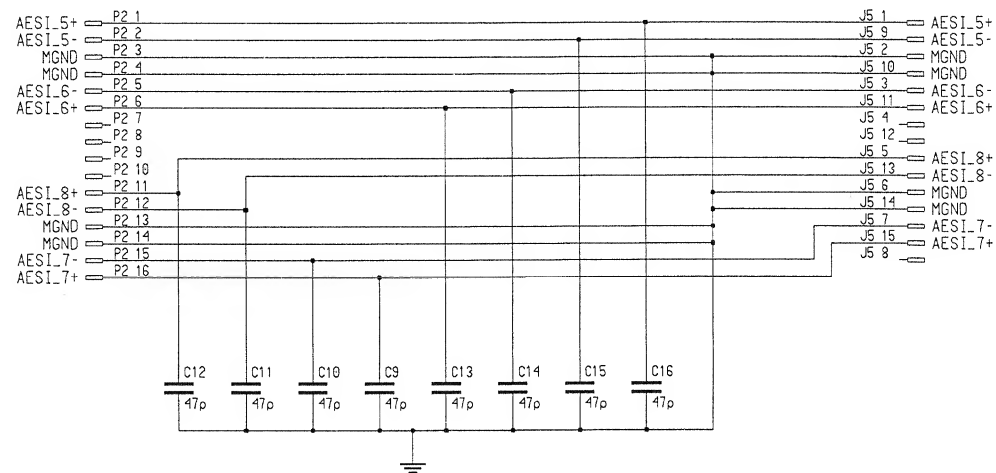
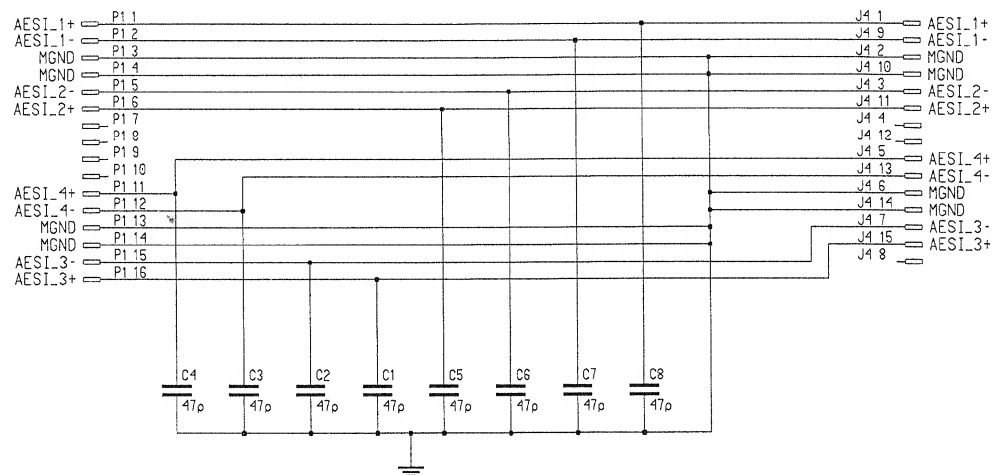
Page: 1 of 1

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 LL 1	1.940.633.93	1 pce		LL CONNECTION WCLK OUT
0 MP 1	1.940.612.11	1 pce		BNC Output Unit PCB
0 MP 2	1.940.633.04	1 pce		Nr.-Etikette 5 * 20
0 MP 3	1.940.611.01	1 pce		Rückwand BNC
0 MP 4	28.31.0005	3 pcs		BLINDNIETE, D 3.2* 6.1
0 P 1	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC
0 P 2	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC
0 P 3	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC
0 P 4	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC

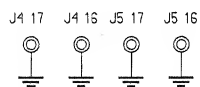
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Idx. Pos.	Part No.	Qty.	Type/Val.	Description
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Connection Board 2xD-15F 8x AESI-Card 1.940.635.00



P3 1
P3 2
P3 3
P3 4
P3 5
P3 6
P3 7
P3 8
P3 9
P3 10
P3 11
P3 12
P3 13
P3 14
P3 15
P3 16



0	18.11.97	JM	○	○	○	○
D950						PAGE 1 OF 1
STUDER CONNECTION BOARD 2X D-15F 8X AESI-CARD SC						1.940.635.00

Connection Board 2xD-15F 8x AESI-Card I.940.635.00

The diagram shows a vertical connection board with two D-sub connectors, J4 and J5, on the left. J4 is at the top and J5 is below it. To the right of J4 are eight circular components labeled C1 through C8. To the right of J5 are eight circular components labeled C9 through C16. Further to the right are three rectangular components labeled P1, P2, and P3, arranged vertically. On the far left, there are three mounting points labeled MP4, MP3, and MP1 from top to bottom. At the very top, there is a component labeled MP5. The board is shown in a perspective view.

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 2	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 3	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 4	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 5	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 6	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 7	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 8	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 9	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 10	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 11	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 12	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 13	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 14	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 15	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 16	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	J 4	54.13.0072	15p		D-Sub, PCB, Winkel
0	J 5	54.13.0072	15p		D-Sub, PCB, Winkel
0	MP 1	1.940.635.11	1 pce		Connection 2xD-15F 8xAESI PCB
0	MP 2	1.940.635.04	1 pce		Nr.-Etikette 5 * 20
0	MP 3	1.940.615.01	1 pce		Rückwand D15+D15
0	MP 4	54.13.0081	4 pcs	4.85mm	Bolzen UNC 4-40
0	MP 5	28.31.0005	3 pcs		BLINDNIETE, D 3.2* 6.1
0	P 1	54.14.2002	16p		1/20" Au, gerade, ohne Verrieg
0	P 2	54.14.2002	16p		1/20" Au, gerade, ohne Verrieg
0	P 3	not used	16p		1/20" Au, gerade, ohne Verrieg

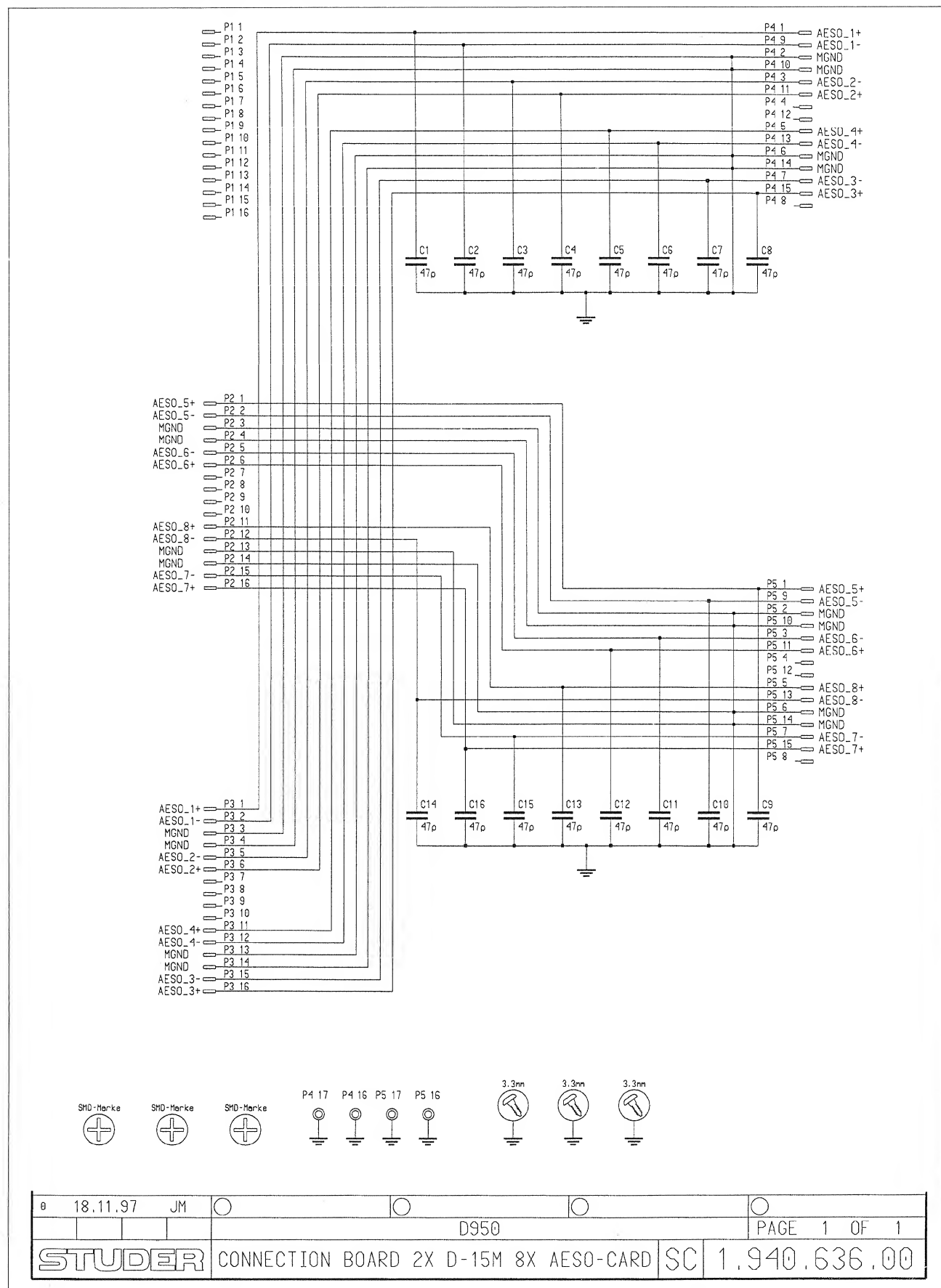
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Comments

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Date	Gez.	Viso	Gez.	Sein	Index
Copy to:					
Kopie fuer:					

STUDER	Description:	CONNECTION BOARD 2X D-15F 8X AESI-CARD	Number:	1.940.635.00
REGENSDORF	Benennung:			

Connection Board 2xD-15M 8x AESO-Card 1.940.636.00



Connection Board 2xD-15M 8x AESO-Card I.940.636.00

The diagram shows a vertical connection board with five main sections labeled MP1 to MP5. MP1 is at the bottom, MP2 in the middle, and MP3, MP4, and MP5 at the top. Each MP section has associated components: MP1 has P1, P2, and P3; MP2 has P4 and P5; MP3, MP4, and MP5 have C1 through C16. The components are arranged in a grid-like fashion, with P1-P5 on the left and C1-C16 on the right.

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 2	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 3	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 4	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 5	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 6	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 7	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 8	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 9	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 10	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 11	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 12	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 13	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 14	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 15	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	C 16	59.60.2241	47p		CER 50V, 5%, COG, 0603
0	MP 1	1.940.636.11	1 pce		Connection 2xD-15M 8xAESO PCB
0	MP 2	1.940.636.04	1 pce		Nr.-Etikette 5 * 20
0	MP 3	1.940.615.01	1 pce		Rückwand D15+D15
0	MP 4	54.13.0081	4 pcs	4.85mm	Bolzen UNC 4-40
0	MP 5	28.31.0005	3 pcs		BLINDNIETE, D 3.2* 6.1
0	P 1	not used	16p		1/20" Au, gerade, ohne Verrieg
0	P 2	54.14.2002	16p		1/20" Au, gerade, ohne Verrieg
0	P 3	54.14.2002	16p		1/20" Au, gerade, ohne Verrieg
0	P 4	54.13.0077	15p		D-Sub, PCB, Winkel
0	P 5	54.13.0077	15p		D-Sub, PCB, Winkel

End of List

Comments

Edition Ausgabe Datum	18.11.97	AF	[Signature]	[Signature]	Seen Ges.	Index	3
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STUDER
REGENSDORF

DESCRIPTION:
Bezeichnung:

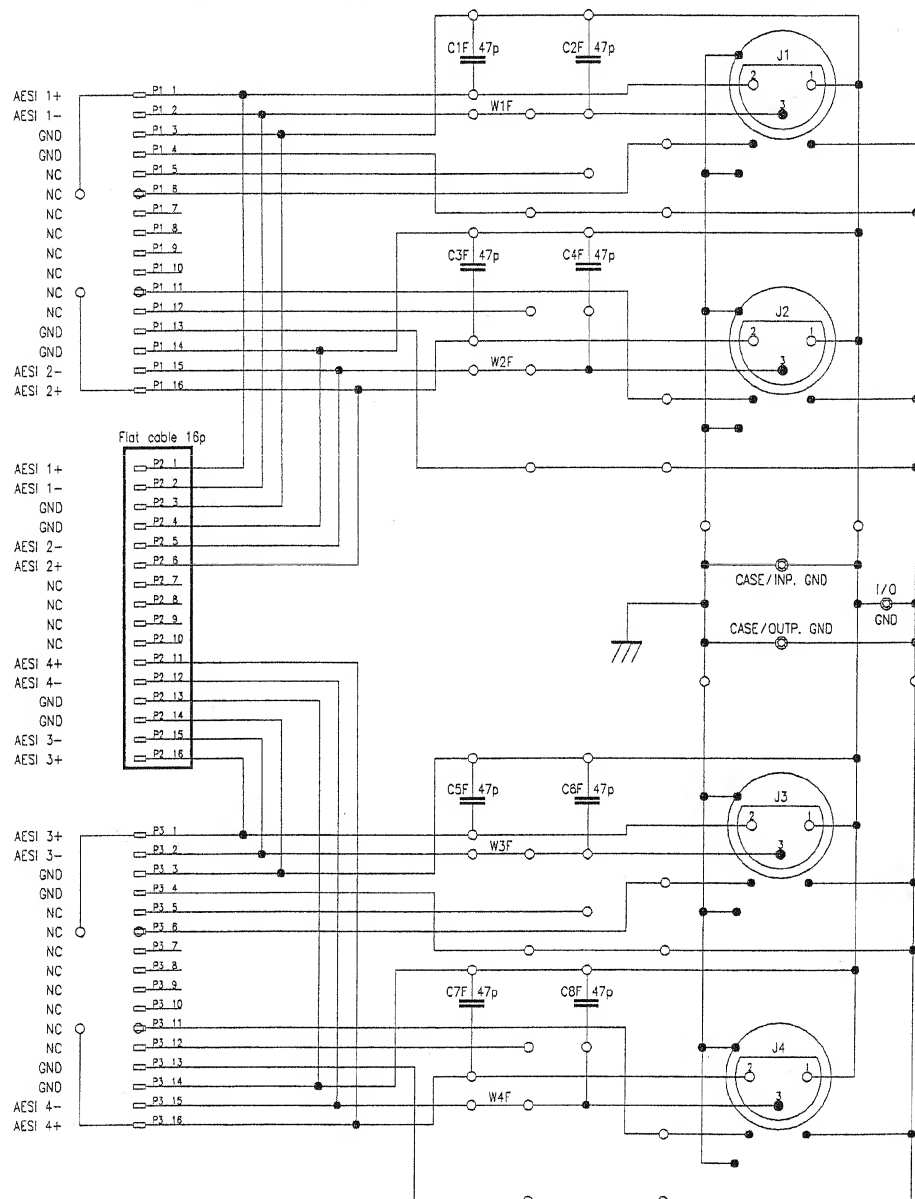
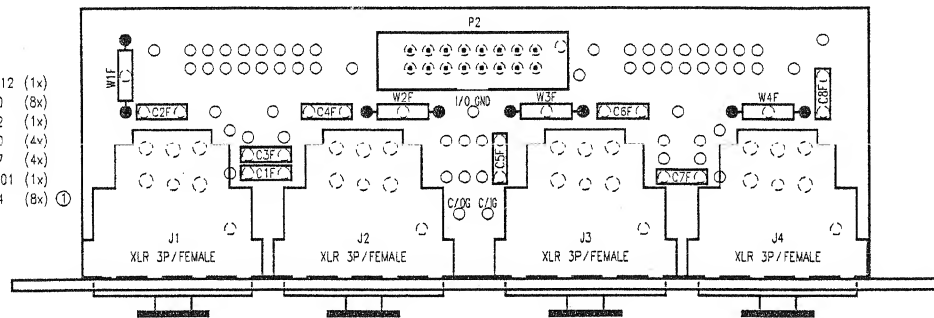
CONNECTION BOARD 2X D-15M 8X AESO-CARD

Number:
Number:

1.940.636.00

XLR Connection 4x AES/EBU Input 1.940.637.81

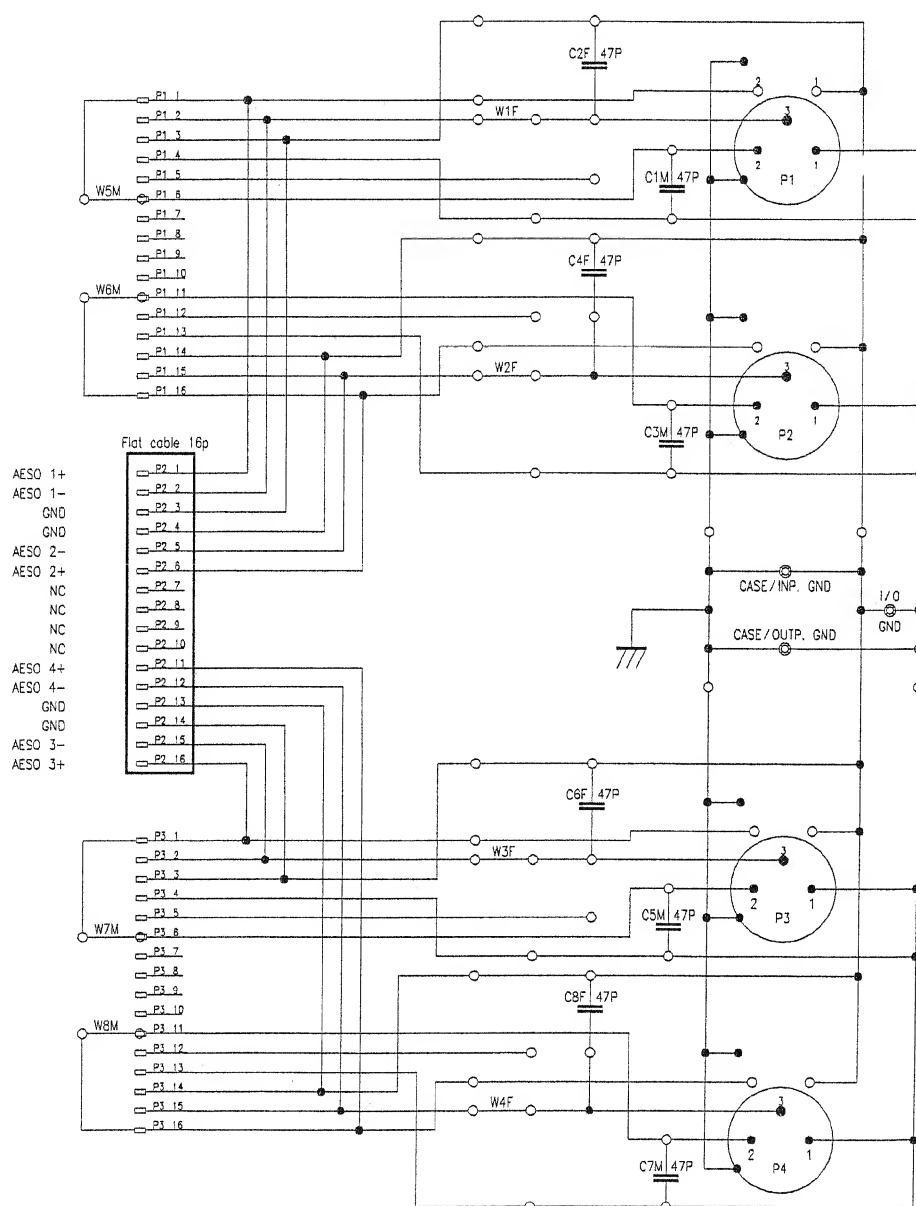
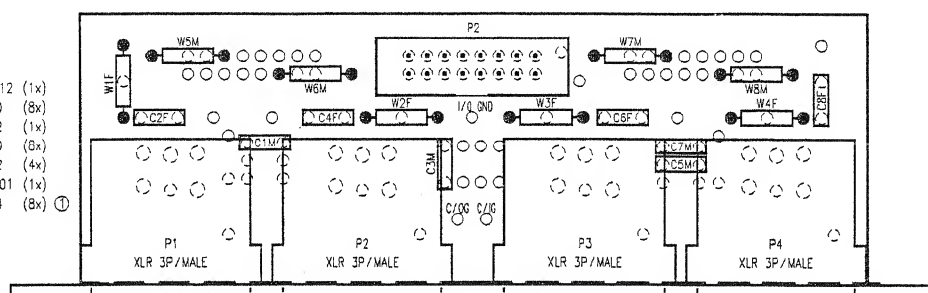
PCB: 1.940.617.12 (1x)
 C 47pF: 59.34.2470 (8x)
 Px: 54.14.2002 (1x)
 Wwv: 57.11.3000 (4x)
 XLR 3P/F: 54.21.2207 (4x)
 FRONT 1.940.617.01 (1x)
 SCREWS: 20.24.8754 (8x) ①



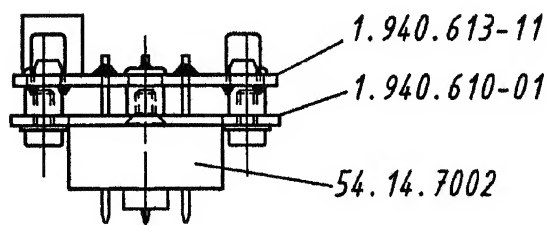
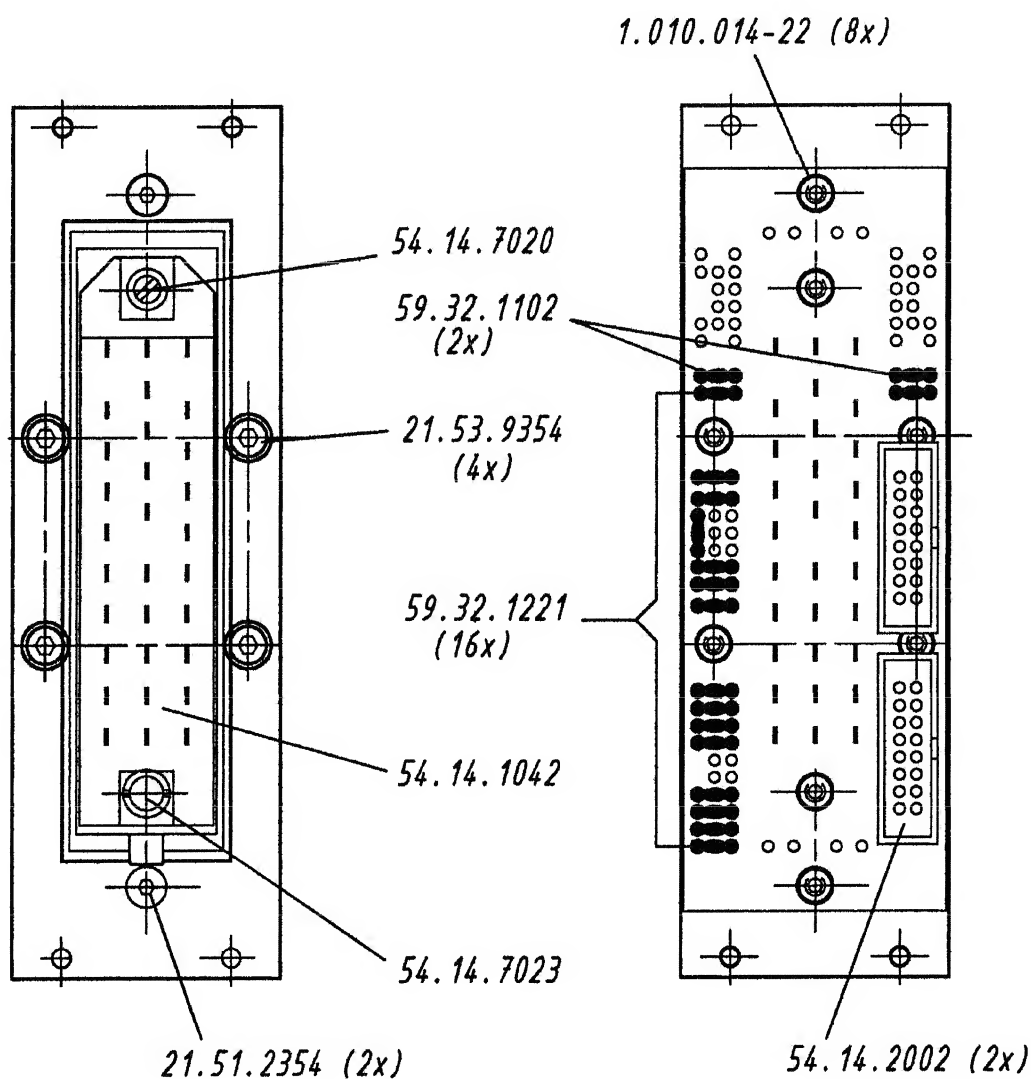
① 06.01.98/BK	① 03.02.99/BK		
SC1940637-81			PAGE 1 OF 1
STUDER REGENSDORF SWITZERLAND	XLR CONNECTION 4x AES/EBU INPUT		1.940.637.81

XLR Connection 4x AES/EBU Output 1.940.638.81

PCB: 1.940.617.12 (1x)
 C 47pF: 59.34.2470 (8x)
 Pr: 54.14.2002 (1x)
 Wxx: 37.11.3000 (8x)
 XLR 3P/M: 54.21.2202 (4x)
 FRONT 1.940.617.01 (1x)
 SCREWS: 20.24.8754 (8x) ①

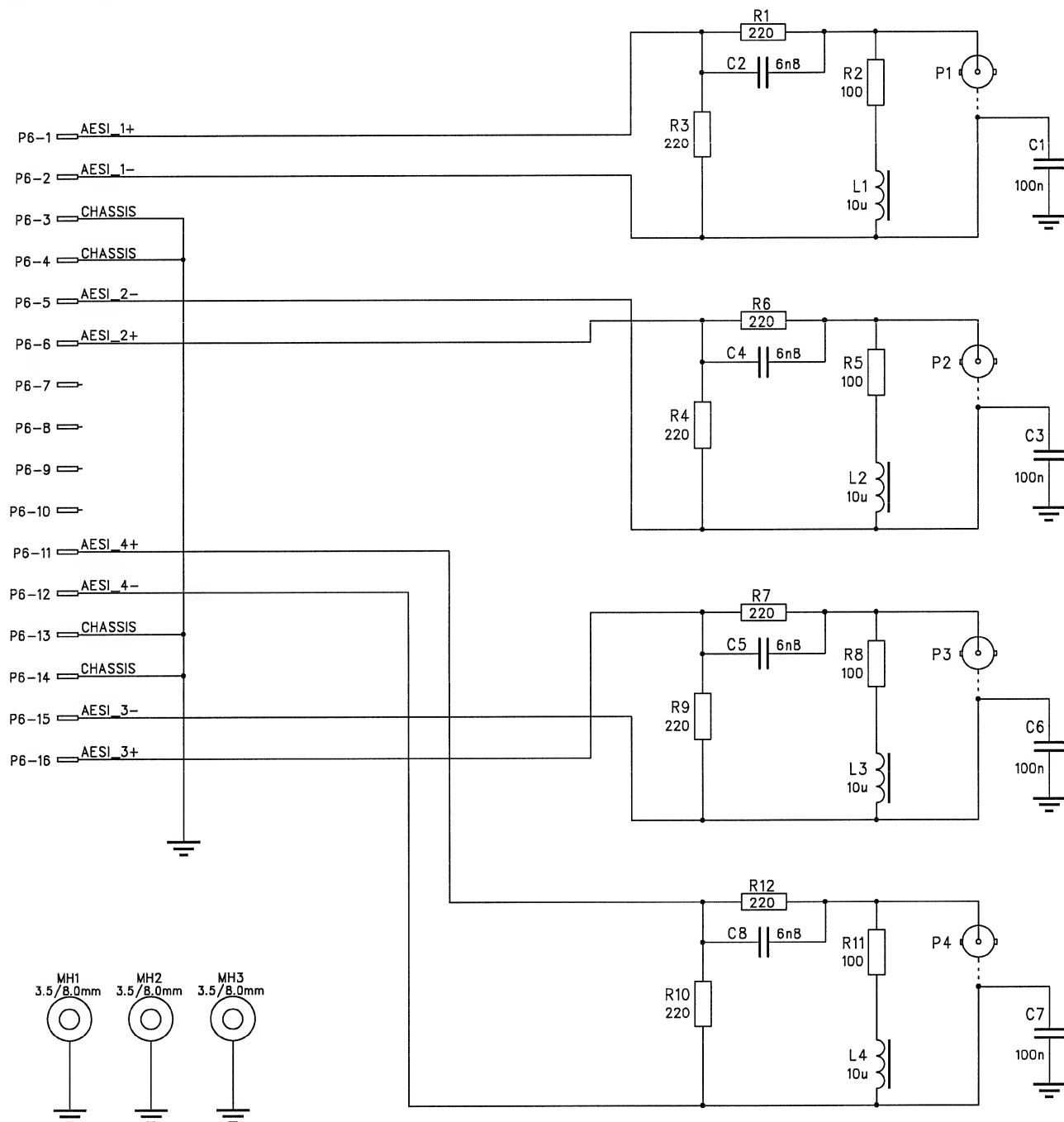


① 06.01.98/BK	① 03.02.99/BK			
SC1940638-81				PAGE 1 OF 1
STUDER REGENSDORF SWITZERLAND	XLR CONNECTION 4x AES/EBU OUTPUT			1.940.638.81

Connection Unit S30f/Gold Cont. (Analog Out) 1.940.640.00 (0)**Also contained:**

21.53.0279	4x
24.16.1025	4x
54.14.1052	1x
54.14.7012	1x
54.14.7020	1x
54.14.7023	1x
54.14.5021	4x
64.03.0214	1m

Accompanying documents: Zugehörige Unterlagen:		General tolerance: Freimasstoleranz:	Scale: Maßstab:	Edition Ausgabe	24.7.98	Ro	RO	HM	①
				Date Datum		Visa Gez.	Checked Gepr.	Seen Ges.	Index
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STUDER REGENSDORF		Description: Benennung:		Number: Nummer:					
		S30M Connection Unit 8TE Gold		1.940.640-00					

Connection Unit 4 × BNC (AES/EBU In) 1.940.641.00 (0)

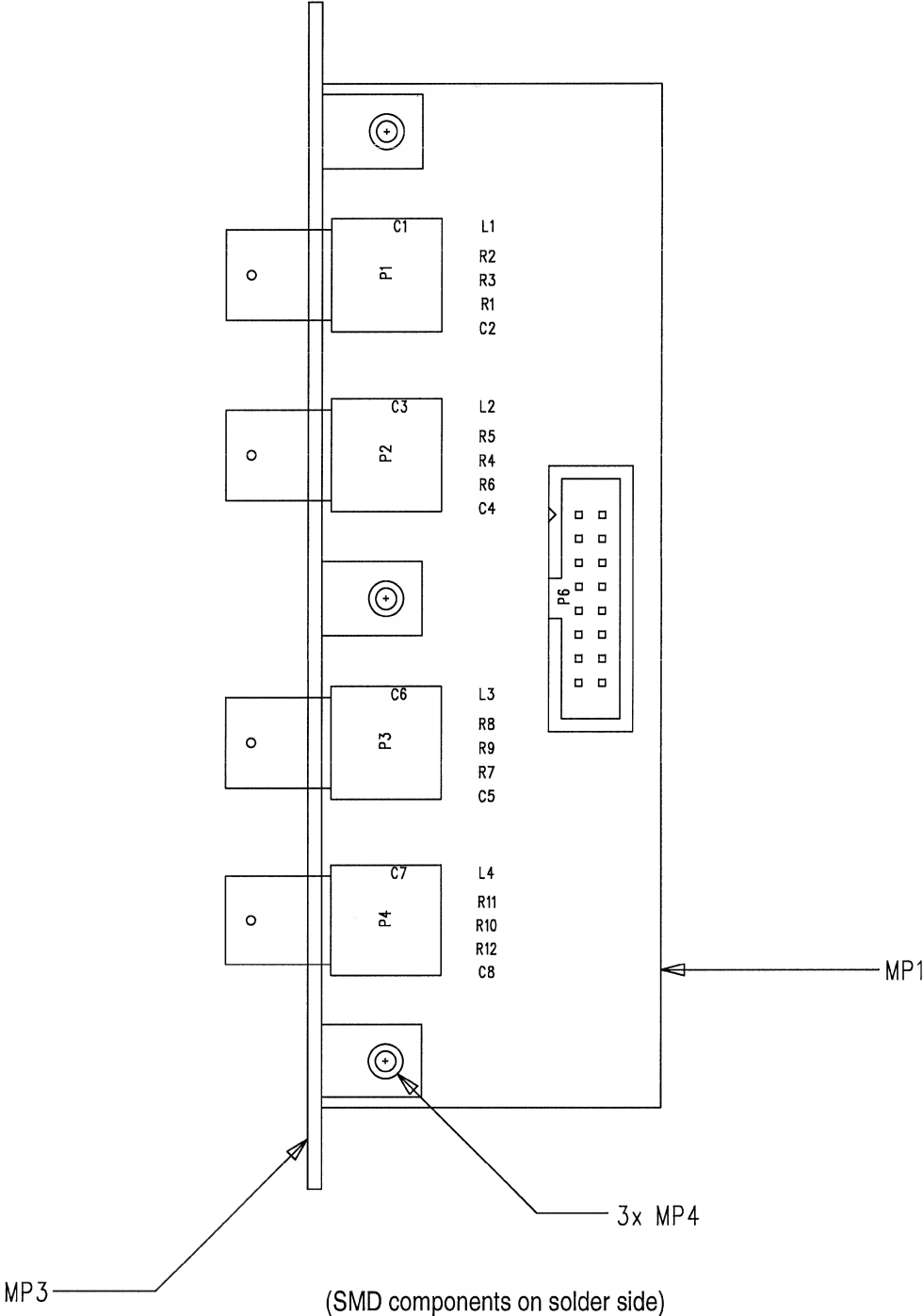
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Index:	0	Page:	1 / 1
Index:		Seite:	
Number:	1.940.641.00		
Number:			

STUDER

Description:
Benennung:

CONNECTION BNC AESI FOR CORE

Connection Unit 4 × BNC (AES/EBU In) 1.940.641.00 (0)



17.10.2001			ZT	ML	HW
Date: 17.10.2001			Visa: Gez.:	Checked: Gepr.:	Seen: Gez.:
Index: 0			Page: 1 / 1		
Number: 1.940.641.00					

Accompanying documents: PL	General tolerance: *	Scale: 1:1
Zugehörige Unterlagen:	Freimaßtoleranz:	Maßstab:
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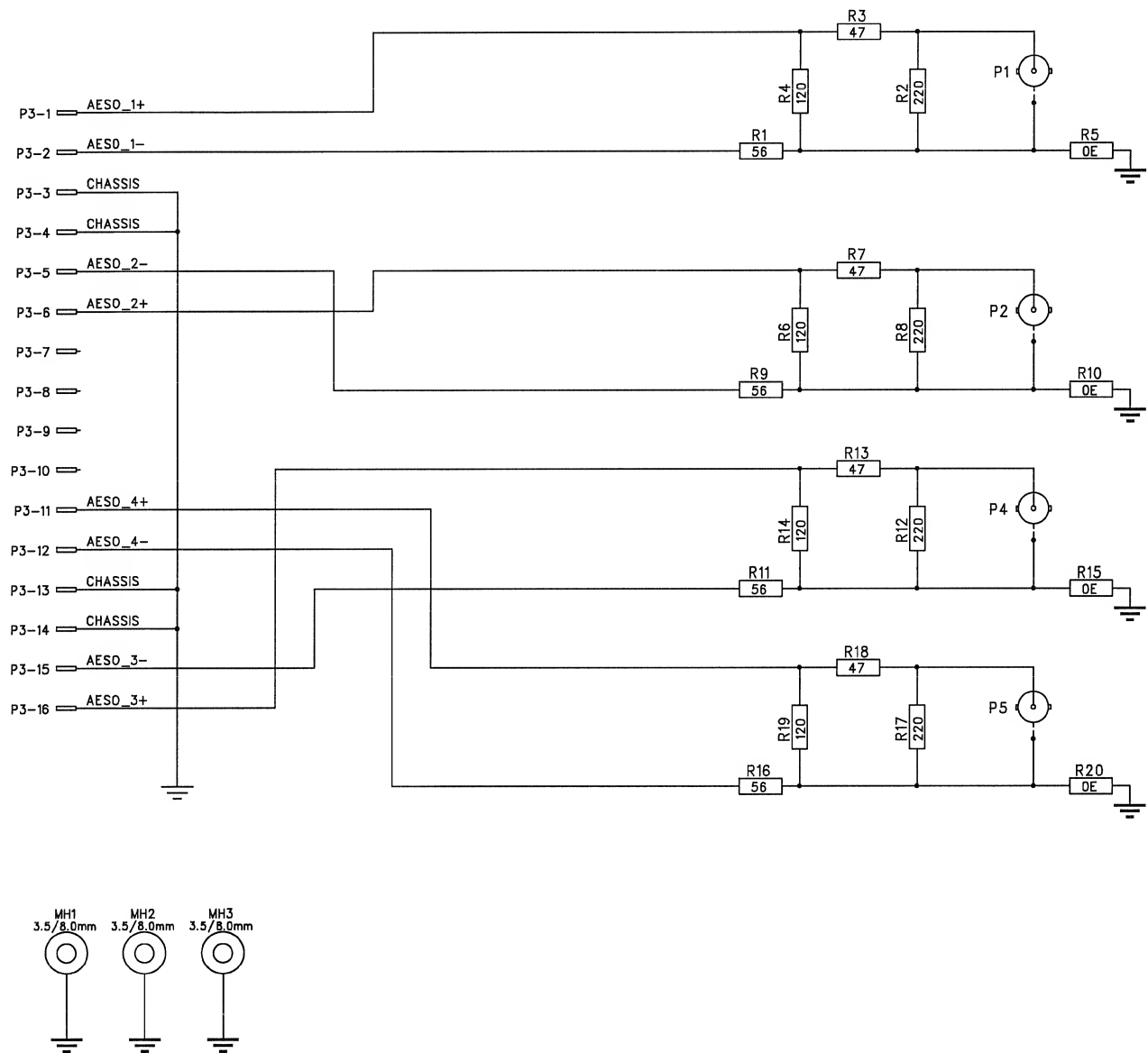
Connection Unit 4 × BNC (AES/EBU In) 1.940.641.00 (0)

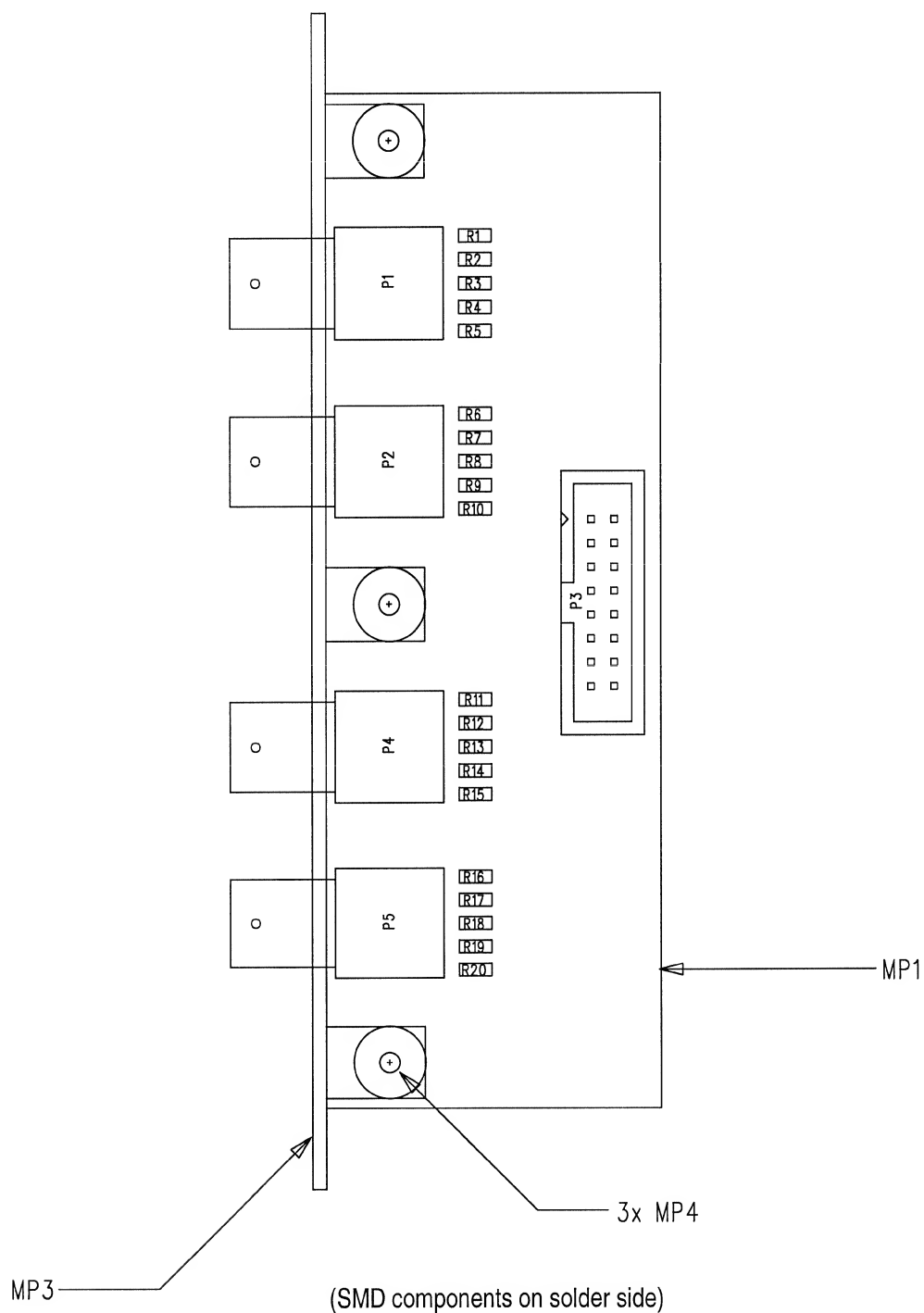
Page: 1 of 1

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0 C 1	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 2	59.60.3323	1 pce	6n8	CER 50V, 10%, X7R, 0805					
0 C 3	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 4	59.60.3323	1 pce	6n8	CER 50V, 10%, X7R, 0805					
0 C 5	59.60.3323	1 pce	6n8	CER 50V, 10%, X7R, 0805					
0 C 6	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 7	59.60.3337	1 pce	100n	CER 50V, 10%, X7R, 0805					
0 C 8	59.60.3323	1 pce	6n8	CER 50V, 10%, X7R, 0805					
0 L 1	62.60.0113	1 pce	10uH	SMD 10% 1210					
0 L 2	62.60.0113	1 pce	10uH	SMD 10% 1210					
0 L 3	62.60.0113	1 pce	10uH	SMD 10% 1210					
0 L 4	62.60.0113	1 pce	10uH	SMD 10% 1210					
0 MP 1	1.940.641.11	1 pce		CONNECTION BNC AESI PCB					
0 MP 2	1.940.641.10	1 pce		NR.-ETIKETTE 5 * 20					
0 MP 3	1.940.611.01	1 pce		Rückwand BNC					
0 MP 4	28.31.0005	3 pcs		BLINDNIETE, D 3.2* 6.1					
0 P 1	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC					
0 P 2	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC					
0 P 3	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC					
0 P 4	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC					
0 P 6	54.14.2002	1 pce	16p	1/20" Au, gerade, ohne Verrieg					
0 R 1	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 2	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 3	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 4	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 5	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 6	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 7	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 8	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 9	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 10	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 11	57.60.1101	1 pce	100R	MF, 1%, 0204, E24					
0 R 12	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					

End of List

Connection Unit 4 × BNC (AES/EBU Out) 1.940.642.00 (0)



Connection Unit 4 × BNC (AES/EBU Out) 1.940.642.00 (0)

						18.10.2001		ZT		ML		HW										
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STUDER			CONNECTION BNC AESO FOR CORE											Number: Nummer:		1.940.642.00						

Connection Unit 4 × BNC (AES/EBU Out) 1.940.642.00 (0)

Page: 1 of 1

Idx. Pos.	Part No.	Qty.	Type/Val.	Description	Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0 MP 1	1.940.642.11	1 pce		CONNECTION BNC AESO PCB					
0 MP 2	1.940.642.10	1 pce		NR.-ETIKETTE 5 * 20					
0 MP 3	1.940.611.01	1 pce		Rückwand BNC					
0 MP 4	28.31.0005	3 pcs		BLINDNIETE, D 3.2* 6.1					
0 P 1	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC					
0 P 2	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC					
0 P 3	54.14.2002	1 pce	16p	1/20" Au, gerade, ohne Verrieg					
0 P 4	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC					
0 P 5	54.21.2031	1 pce	BNC	J 1 POL PRINT/WINKEL BNC					
0 R 1	57.60.1560	1 pce	56R	MF, 1%, 0204, E24					
0 R 2	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 3	57.60.1470	1 pce	47R	MF, 1%, 0204, E24					
0 R 4	57.60.1121	1 pce	120R	MF, 1%, 0204, E24					
0 R 5	57.60.1000	1 pce	0R0	MF, 0204					
0 R 6	57.60.1121	1 pce	120R	MF, 1%, 0204, E24					
0 R 7	57.60.1470	1 pce	47R	MF, 1%, 0204, E24					
0 R 8	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 9	57.60.1560	1 pce	56R	MF, 1%, 0204, E24					
0 R 10	57.60.1000	1 pce	0R0	MF, 0204					
0 R 11	57.60.1560	1 pce	56R	MF, 1%, 0204, E24					
0 R 12	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 13	57.60.1470	1 pce	47R	MF, 1%, 0204, E24					
0 R 14	57.60.1121	1 pce	120R	MF, 1%, 0204, E24					
0 R 15	57.60.1000	1 pce	0R0	MF, 0204					
0 R 16	57.60.1560	1 pce	56R	MF, 1%, 0204, E24					
0 R 17	57.60.1221	1 pce	220R	MF, 1%, 0204, E24					
0 R 18	57.60.1470	1 pce	47R	MF, 1%, 0204, E24					
0 R 19	57.60.1121	1 pce	120R	MF, 1%, 0204, E24					
0 R 20	57.60.1000	1 pce	0R0	MF, 0204					

End of List